

STATEMENT OF WORK

Requisition #: 267157

Title: Technical Peer Review Panel for Vapors Evaluation (SRNL)

Revision Number: 0

Date: May 29, 2014

Prior SOW or Revision Date: N/A

1.0 Objective:

Washington River Protection Solutions (WRPS) requires the services of Savannah River National Laboratory (SRNL) to establish and oversee a panel of external experts to examine hazardous chemical vapors management and related worker protection measures at the U.S. Department of Energy's Tank Farms.

2.0 Background/Introduction:

WRPS is evaluating the Tank Farms for chemical vapors as a result of recent incidents that have occurred with chemical vapors and odors. More than two dozen tank farm workers received medical attention this spring following apparent exposures to vapors emanating from the waste storage tanks. WRPS has requested that this new study have an enhanced scope for analysis and recommendation beyond that of the two previous technical reviews of Hanford tank waste vapor policies and issues in 2008 and 2010.

3.0 Scope:

The contractor (SRNL) will lead an Independent Technical Review Team to evaluate the chemical vapors and odors at the Tank Farms. The team will provide recommendations and identify further enhancements to WRPS programs and practices:

- Adequacy of current WRPS Industrial Hygiene program and related procedures
- Adequacy of Tank Farms vapors technical basis for monitoring and control
- Adequacy and effectiveness of prior expert panel recommendations (Sept 2008 and Oct 2010) and their implementation
- Adequacy of IH instrumentation and analysis used for measuring vapor constituents and concentrations
- Adequacy of communications with the workforce to ensure clarity and understanding of vapor events
- Implications of recent vapor exposures on the adequacy of present policies and their implementation
- Potential improvements in prior recommendations and implementation actions

- Adequacy of worker protections, preventative measures, and responses to vapor exposures (for both immediate and potential chronic and/or latent health effects)
- Assessment of and recommendations regarding newly available or additional technology for monitoring, preventing and responding to chemical vapor releases, including, as necessary, reassessment of technologies currently in use, or previously recommended.
- Consideration of other engineered controls or equipment to further reduce the potential for worker exposure to vapors and reduce risk.
- Further recommendations regarding collecting and reporting chemical vapor data during waste disturbing activities, following vapor exposures, and routine monitoring, including the prior developed technical basis and sampling methodology.

4.0 Deliverables:

The contractor (SRNL) shall submit an assessment plan within two weeks of the start date. This plan should include the following information: 1). Approach for conducting the assessment; 2). Team members and their qualifications; 3). Listing of the information required to perform the assessment; 4) Schedule (including site visits) and 5). Cost estimate. The final assessment report with the results of the assessment along with recommendations for improvement for the chemical vapors program shall be submitted no later than September 30, 2014. A draft assessment report shall be submitted for factual accuracy review only two weeks prior the submittal of the final report or September 16, 2014. In addition, the assessment team should be prepared to make a presentation (s) to WRPS senior management, ORP and to the WRPS employees also by September 30, 2014.

In support of the work scope established in Section 3.0 above, submittals are listed on the Master Submittal Register (MSR).

Submittals shall be provided using the TOC Incoming Letter of Transmittal (form A-6005-315). All transmittal subject headings shall contain, at a minimum, the subcontract number, submittal number, and submittal description.

Submittals shall be provided in electronic format unless available only as a hard copy. Electronic submittals may be sent to TOCVND@rl.gov or delivered via a WRPS designated File Transfer Protocol (FTP) site. Electronic formats must be non-password protected in one of the following formats:

- | | |
|---|--------------------------------------|
| • Microsoft® Office Compatible | • Moving Picture Expert Group (MPEG) |
| • Portable Document Format (PDF) | • Extensible Markup Language (XML) |
| • Tagged Image File Format (TIFF) | • HyperText Markup Language (HTML) |
| • Graphics Interchange Format (GIF) | • Comma Separated Values (CSV) |
| • Joint Photographic Experts Group (JPEG) | • Text (TXT) |
| • Windows Media Video (WMV) | |

5.0 Acceptance Criteria:

Acceptance shall be based on validation by the WRPS POC that the contractor has provided requested input. Contractor personnel provided under this subcontract shall possess the qualifications, certifications, and any other attributes required to complete the assigned work.

The implementation plan must meet established applicable WRPS procedures for control and review of work products identified in Section 6.1 below. Acceptance shall be based on validation by the WRPS POC that the contractor has resolved and incorporated all reviewer comments.

6.0 Configuration Management and Standards

6.1 Configuration Management Requirements:

New or revised Technical Documents shall be prepared in accordance with TFC-BSM-AD-STD-02, Editorial Standards for Technical Documents and meet the document release criteria found in Table 3 of TFC-ENG-DESIGN-C-25, Technical Document Control.

6.2 Applicable Standards

APPLICABLE ENGINEERING CODES AND TOC ENGINEERING STANDARDS & PROCEDURES

	Number	Title
1.	TFC-BSM-AD-STD-02,	Editorial Standards for Technical Documents
2.	TFC-ENG-DESIGN-C-25	Technical Document Control

7.0 ESH&Q Requirements

The Contractor shall comply with all Price-Anderson Amendment Act (PAAA) nuclear safety rules and reporting requirements as determined by its prime contract negotiated with the Department of Energy

7.1 Quality Assurance Requirements:

This work scope does not include safety significant system, structure, or component deliverables; and the scope does not include any deliverable that will become design input to a safety significant system, structure, or component.

This scope of work is to provide technical expertise to examine hazardous chemical vapors management and related worker protection measure at the U.S. Department of Energy's Tank Farms. Those quality program requirements that are identified as being applicable to this scope of work are listed below.

The SRNL program has been reviewed, evaluated, and approved for WRPS through an onsite audit conducted by Mission Support Alliance/Acquisition Verification Services (MSA-1201714) and has been added to their Evaluated Supplier List (ESL). The program applied to this scope of work shall be equivalent to the following requirements from the American Society of Mechanical Engineers, NQA-1-2004, *Quality Assurance Requirements for Nuclear Facility Applications*, including NQA-1a-2005 and NQA-1b-2007 Addenda, or later version.

NQA-1 Criteria	Title	All Sections	Specific Sections
Part I, Req. 1	Organization		100 & 300
Part I, Req. 2	Quality Assurance Program		100, 200, 300 (First paragraph only)

Part I, Req. 3	Design Control		N/A
Part I, Req. 4	Procurement Document Control		N/A
Part I, Req. 5	Instructions, Procedures, and Drawings	X	
Part I, Req. 6	Document Control		100
Part I, Req. 7	Control of Purchased Items and Services		N/A
Part I, Req. 8	Identification and Control of Items		N/A
Part I, Req. 9	Control of Processes		N/A
Part I, Req. 10	Inspection		N/A
Part I, Req. 11	Test Control		N/A
Part I, Req. 12	Control of Measuring and Test Equipment		N/A
Part I, Req. 13	Handling, Storage, and Shipping		N/A
Part I, Req. 14	Inspection, Test, and Operating Status		N/A
Part I, Req. 15	Control of Nonconforming Items		N/A
Part I, Req. 16	Corrective Action	X	
Part I, Req. 17	Quality Assurance Records		100
Part I, Req. 18	Audits		N/A

7.1.1 Supplier Quality Assurance Program:

The Contractor's Quality Assurance Program shall be subject to review at all times, including prior to award.

7.1.2 Supplier Quality Assurance Program Changes

The Contractor shall, during the performance of this subcontract, submit proposed changes to their approved quality assurance program to the WRPS Buyer for review and concurrence prior to implementation.

7.1.3 Quality Assurance Oversight

WRPS personnel will co-ordinate with the Contractor to conduct scheduled and periodic oversight of activities or products associated with this scope of work.

7.1.4 Applicable ES&H Requirements:

No On Site Work Provisions apply.

8.0 Verification/Hold Points:

There are no specific Verification/Hold Points associated with this scope of work.

9.0 Reserved

10.0 Work Location/Potential Access Requirements:

Primary work location will be 2440 and 2425 Stevens, Richland, WA. In addition, work will also be performed at the Affiliate's premises. WRPS will provide the Affiliate with office space with Hanford Local Area Network (HLAN) computer and telephone in the Richland office facilities when they are on-site.

11.0 Training:

Assessors will be considered as visitor badged personnel.

All subcontractor staff supporting this task shall complete the following training as needed for site and facility access:

- Hanford General Employee Training (HGET) Hanford Site Standard
- Tank Operations Contractor Specific HGET
- Tank Farms Environmental Management System (EMS) Overview
- Tank Farm Facility Orientation and FEHIC – CBT

Specific training or facility information will be provided on a case by case basis depending on the selected locations and access requirements. Overview information on the WRPS Assessment Process requirements will be provided at an initial assessment team meeting.

12.0 Qualifications:

The contractor shall be knowledgeable of tank farm operations, waste characteristics, and the tank waste treatment missions at DOE sites. This work requires a bachelor's degree in a related engineering or science field, PhD preferred, and 10 years' experience. Resumes are attached for those selected to perform this scope of work. Substitutions may be authorized only by the WRPS POC.

13.0 Special Requirements:

There are no special requirements associated with this scope of work.

Hanford Site Access

Hanford site access will be required for this work.

14.0 Reporting/Administration:

If applicable, Subcontractor information including reports and other documents shall be submitted in either hard copy or electronic format as designated by WRPS. If electronic formatted documents are required, the documents must be viewable using Microsoft® Windows®, Microsoft® Office, or Adobe® Acrobat® software.

15.0 Workplace Substance Abuse Program Requirements:

A Workplace Substance Abuse Program is not required for this SOW.

16.0 WRPS Point of Contact (POC)

Ray Skwarek, (WRPS), 509-372-9117; Raymond_J_Skwarek@rl.gov

Barnes, Nada

From: Warren, Leigh A
Sent: Wednesday, April 30, 2014 8:15 AM
To: Husa, Susan
Subject: 267157 SOW IEWO Vapors 4-29-2014



267157 SOW IEWO
Vapors 4-29-20...

Barnes, Nada

From: Husa, Susan
Sent: Wednesday, April 23, 2014 2:09 PM
To: Skwarek, Raymond J
Subject: Anticipated areas of vapor evaluation

Ray,

As we discussed the initial efforts at SRNL will be to:

- 1). identify a Program Manager
- 2). select/identify a team of technical experts
- 3). develop their lines of inquiry
- 4). to define information/data requirements
- 5). to further develop the SOW

The anticipated areas of vapors evaluation for WRPS are listed below without the areas associated with the HPMC:

Anticipated Areas of Vapors Evaluation

The scope of this evaluation will include, but not be limited to evaluation of the following factors:

- (b)(5) (Sept 2008 and Oct 2010) (b)(5)
- (b)(5)
- (b)(5)
- (b)(5) worker protections, preventative measures, and responses to vapor exposures (b)(5)
(b)(5)
- (b)(5)
(b)(5)
(b)(5)
- (b)(5)
•
•
•
•
•

-

(b)(5)

-

(b)(5)

-

Barnes, Nada

From: Skwarek, Raymond J
Sent: Wednesday, April 23, 2014 5:02 PM
To: McDonald, John A; Wolfley, Clinton T; Kennedy, Edward E
Cc: Husa, Susan
Subject: bullet's of scope of vapors independent technical review team

Please provide your comments and thoughts by mid-morning tomorrow if possible. Thanks.

These are still draft and subject to change, so I would not distribute these out to others at this time.

Ray

Anticipated Areas of Vapors Evaluation

The scope of this evaluation will include the following factors:

- (b)(5) Sept 2008 and Oct 2010) (b)(5)
- Implications of (b)(5) vapor exposures (b)(5)
- (b)(5)
- Adequacy of worker protections, preventative measures, and responses to vapor exposures (b)(5)
(b)(5)
- (b)(5)
- (b)(5)
-
-
-
-
-
-

• (b)(5)

• (b)(5)

•

Barnes, Nada

From: Skwarek, Raymond J
Sent: Thursday, May 01, 2014 4:40 PM
To: Husa, Susan; Warren, Leigh A
Subject: comments from ORP on IEWO will arrive tomorrow

If you are standing by awaiting the comments, I just found out that they will not be coming over to us until tomorrow.

Ray

Barnes, Nada

From: Skwarek, Raymond J
Sent: Wednesday, April 23, 2014 2:27 PM
To: 'bill.wilmarth@srnl.doe.gov'
Cc: Husa, Susan
Subject: draft of review scope

Bill, as discussed earlier with you, below is a draft scope statement for the independent technical review. We can iterate on this scope definition, and clarify or include additional activities as needed. I welcome your input, and I'm also still having a few folks look at it here too.

We want to get an IEWO going, and have taken steps to start that process. Since it's probably not feasible to develop a detailed cost estimate until you've done some work, identified your team, etc., we want to find an approach that lets you get started. Any suggestions you may have are welcome, and we are working with our ORP responsible manager for approving the IEWO as well.

I will speak to you tomorrow.

Ray

Anticipated Areas of Vapors Evaluation

The scope of this evaluation will include the following factors:

- (b)(5) (Sept 2008 and Oct 2010) (b)(5)
- Implications of (b)(5) vapor (b)(5)
- (b)(5)
- Adequacy of worker protections, preventative measures, and responses to vapor exposures (b)(5)
(b)(5)
- (b)(5)
(b)(5) This could
(b)(5)
- (b)(5)
-
-

- (b)(5)

-
-
-

- (b)(5)

- (b)(5)

Barnes, Nada

From: Skwarek, Raymond J
Sent: Wednesday, April 30, 2014 8:38 AM
To: Husa, Susan
Subject: FW:

Just based on a quick look, I noted that the bullet pertaining to communications with workers referred to just "events". We expanded that bullet in our last review. I don't know if there are any other changes we discussed not incorporated. I did not perform a detailed review. Can you pls double check and make sure we have the correct version.

From: Warren, Leigh A
Sent: Wednesday, April 30, 2014 8:18 AM
To: Chacon, Alyson C
Cc: Warren, Leigh A; Wolfley, Clinton T; Skwarek, Raymond J; Husa, Susan
Subject: FW:

Alyson,

Can you obtain signatures for me on the attached IEWO request form and return to me. I have been working with Susan Husa on this IEWO.

I will get Steve Durfee's.

Thanks,

Leigh Anne Warren
Project Subcontract Representative
509-376-2614



IEWO for Vapors
Study.pdf

contractor to the United States Department of Energy

From: Husa, Susan
Sent: Wednesday, April 30, 2014 7:57 AM
To: Warren, Leigh A
Subject:

Okay got the CACN

Susan

Contract Compliance Officer
Project Contract Management
509-372-9676

Contractor to the United States Department of Energy

Barnes, Nada

From: Warren, Leigh A
Sent: Thursday, May 01, 2014 12:35 PM
To: Husa, Susan
Cc: Warren, Leigh A
Subject: FW:

Susan,

I think it looks good for what little information we have. Did you get the NPJ back from Ray yet?

Leigh Anne

From: Grimm, Nathan A
Sent: Thursday, May 01, 2014 12:13 PM
To: Husa, Susan
Cc: Burt, David L (Dave); Reisenauer, John F; Garrard, Mary M (Melissa); Warren, Leigh A
Subject: RE:

Susan

See if this fits the bill for you. Let me know if you have any revisions that you would like made.

Thanks

NG

(b)(6)

Nathan A Grimm@rl.gov

Washington River Protection Solutions
contractor to the United States Department of Energy

From: Husa, Susan
Sent: Wednesday, April 30, 2014 1:32 PM
To: Grimm, Nathan A
Subject:

Nathan,

I need a fair cost estimate done for the IEWO that we are putting in place for Savannah River National Labs. Everything I know at this point is included in the email message attached. We are thinking that it is reasonable to have a team of 6 consultants for a roughly 4 months pretty much full-time. Probably one trip out here. I have been just working on getting the IEWO going. I have been told that procurement requires a fair cost estimate.

Give me a call. We are expecting SRNL to prepare an assessment plan along with a schedule and estimate within 2 weeks of the award.

Susan

Contract Compliance Officer
Project Contract Management
509-372-9676



Contractor to the United States Department of Energy

Barnes, Nada

From: Warren, Leigh A
Sent: Wednesday, April 30, 2014 8:18 AM
To: Chacon, Alyson C
Cc: Warren, Leigh A; Wolfley, Clinton T; Skwarek, Raymond J; Husa, Susan
Subject: FW:

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Thanks,

Leigh Anne Warren

Project Subcontract Representative
509-376-2614



IEWO for Vapors
Study.pdf

contractor to the United States Department of Energy

From: Husa, Susan
Sent: Wednesday, April 30, 2014 7:57 AM
To: Warren, Leigh A
Subject:

Okay got the CACN

Susan

Contract Compliance Officer
Project Contract Management
509-372-9676

Contractor to the United States Department of Energy

Barnes, Nada

From: Skwarek, Raymond J
Sent: Thursday, April 24, 2014 8:56 AM
To: Wolfley, Clinton T; McDonald, John A; Greenwell, Roland D
Cc: Husa, Susan; Kennedy, Edward E
Subject: FW: bullet's of scope of vapors independent technical review team

I really like all of Ed's comments. Would like to get any you guys have this morning.

Thanks, Ed. Great comments. When did you become an IH? Be careful, we might just have another job for you here. ☺

Ray

From: Kennedy, Edward E
Sent: Thursday, April 24, 2014 8:39 AM
To: Skwarek, Raymond J
Subject: RE: bullet's of scope of vapors independent technical review team

Ray – I have provided some redline comments for your consideration.

Ed Kennedy

Employee Concerns Program Manager
Safety Conscious Work Environment Coordinator
Washington River Protection Solutions
(509)376-0533, (509)(b)(6) (Cell)
Contractor for the US Department of Energy

From: Skwarek, Raymond J
Sent: Wednesday, April 23, 2014 5:02 PM
To: McDonald, John A; Wolfley, Clinton T; Kennedy, Edward E
Cc: Husa, Susan
Subject: bullet's of scope of vapors independent technical review team

Please provide your comments and thoughts by mid-morning tomorrow if possible. Thanks.

These are still draft and subject to change, so I would not distribute these out to others at this time.

Ray

Anticipated Areas of Vapors Evaluation

The scope of this evaluation will include the following factors:

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 - (b)(5)
 - (b)(5)
- (b)(5)
- (b)(5)
- (b)(5) worker protections, preventative measures, and responses to vapor exposures (b)(5)
 - (b)(5)

(b)(5)

(b)(5)

(b)(5)

Barnes, Nada

From: Skwarek, Raymond J
Sent: Tuesday, May 13, 2014 11:20 AM
To: Husa, Susan
Subject: FW: Can oyu send me a copy of the current SOW. Want to get started on procurements

Can you send this to Bill? Thx.

Ray

From: bill.wilmarth@srnl.doe.gov [mailto:bill.wilmarth@srnl.doe.gov]
Sent: Tuesday, May 13, 2014 6:51 AM
To: Skwarek, Raymond J
Subject: Can oyu send me a copy of the current SOW. Want to get started on procurements

Barnes, Nada

From: Skwarek, Raymond J
Sent: Wednesday, April 23, 2014 4:33 PM
To: Husa, Susan
Subject: FW: Chemical Vapors Solution Team (CVST)

fyi

From: Olson, Dave
Sent: Wednesday, April 23, 2014 12:00 PM
To: Skwarek, Raymond J
Subject: FW: Chemical Vapors Solution Team (CVST)

FYI – We will need to connect the expert review team to this group somehow.

In talking with Harkins a few minutes ago, he indicated the following.

- RL already has a contract in place for an independent group to perform periodic assessments of the medical provider and will announce the next assessment and conduct it concurrent with our vapor assessment in the Farms.
- ORP has asked HSS to provide independent oversight of our assessment to counteract the likely challenge of independence

From: Rondorf, Karen M
Sent: Wednesday, April 23, 2014 9:12 AM
To: Alcalá, Louis J; Anderson, Christopher G; Baide, Daniel G (Dan); Beck, John C; Beerman, Amanda L; Bohlman, David M; Butler, Ralph E; Caldwell, Joyce A; Dobb, Jennifer L; Gallagher, Michael M; Greenwell, Roland D; Kennedy, Edward E; Killooy, Steven E; Leliefeld, Kenneth W; Luke, Jeffrey J; Martinen, Edgar W; Rock, Sandy; Ross, William E (Bill); Saenz, Gerrado; Urie, Michael J; Wolfley, Clinton T; Robbert, Michael G (Mike); Gomez, Pedro A; Wutzke, Benny I Jr; Patrick, David A; Groenig, Kraig A; Airoidi, John H; Stamper, Steve R; Flora, Mark A; Peters, Nanci L; Schmoldt, Michael J; Rumburg, Brian P; Subramanian, Karthik; Roberts, Mark A; Torres, Alejandro; Olson, Dave; Britton, John C
Cc: Hoover, Randall D; Demiter, Scott M; McDonald, John A; atorreswrps@charter.net; Wolf, Daniel E; Mata, Beth L; Ennis, Rick A; Urie, Richard L; Clark, Wyatt C
Subject: RE: Chemical Vapors Solution Team (CVST)

Good Morning Everyone,

Please see attached updated Agenda for today's CVST Meeting.

Thanks,



CVST Agenda
04-23-2014.doc

Barnes, Nada

From: Warren, Leigh A
Sent: Tuesday, May 13, 2014 1:41 PM
To: Husa, Susan
Cc: Warren, Leigh A
Subject: FW: IEWO 267157 Vapors rev1
Attachments: Vapors SOW Rev 2 (2) Rev1.docx

Here is the SOW with watermark. Let me know if I need to make changes to it.

Leigh Anne

From: Warren, Leigh A
Sent: Tuesday, May 13, 2014 11:31 AM
To: Husa, Susan
Subject: FW: IEWO 267157 Vapors rev1
Importance: High

Here you go.

From: Wagar, Benjamin A
Sent: Wednesday, May 07, 2014 12:06 PM
To: Wright, Teresa A
Cc: Warren, Leigh A; Husa, Susan
Subject: FW: IEWO 267157 Vapors rev1
Importance: High

Hi Teresa,

Attached is the revised SOW for the IEWO regarding the Tank Vapors.

Thank you,

Ben

From: Warren, Leigh A
Sent: Wednesday, May 07, 2014 12:05 PM
To: Wagar, Benjamin A
Cc: Warren, Leigh A; Husa, Susan
Subject: IEWO 267157 Vapors rev1
Importance: High

Ben,

Here is the revised SOW that needs to be send to DOE. This has incorporated Kevin Smith's changes. I have obtain approvals in Asset Suite for this revision.

It would be greatly appreciated if you would get this to them asap. Please let me know once this is done so we can let Ray Skwarek know.

Thanks,

Leigh Anne Warren

Project Subcontract Representative

509-376-2614

contractor to the United States Department of Energy

Barnes, Nada

From: Warren, Leigh A
Sent: Wednesday, May 07, 2014 3:26 PM
To: Husa, Susan
Cc: Warren, Leigh A
Subject: FW: IEWO 267157 Vapors rev1

See Ben's note below on amount. I will fix the amount to be 500K and resend once you give me the go ahead.

Leigh Anne

From: Wagar, Benjamin A
Sent: Wednesday, May 07, 2014 3:25 PM
To: Warren, Leigh A
Subject: RE: IEWO 267157 Vapors rev1

ORP is not going to approve the IEWO unless it is \$500,000. We will need to get another approval sheet made up that reflects that amount. Call if you have any questions.

Thank you,

Ben

From: Warren, Leigh A
Sent: Wednesday, May 07, 2014 12:06 PM
To: Wagar, Benjamin A
Subject: RE: IEWO 267157 Vapors rev1

Thank you Ben.

From: Wagar, Benjamin A
Sent: Wednesday, May 07, 2014 12:06 PM
To: Wright, Teresa A
Cc: Warren, Leigh A; Husa, Susan
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From: Warren, Leigh A
Sent: Wednesday, May 07, 2014 12:05 PM
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Cc: Warren, Leigh A; Husa, Susan

Subject: IEWO 267157 Vapors rev1

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Thanks,

Leigh Anne Warren

Project Subcontract Representative

509-376-2614



**washington river
protection solutions**

contractor to the United States Department of Energy

Barnes, Nada

From: Warren, Leigh A
Sent: Tuesday, May 13, 2014 11:31 AM
To: Husa, Susan
Subject: FW: IEWO 267157 Vapors rev1
Attachments: Vapors SOW Rev 2 (2) Rev1.docx

Importance: High

Here you go.

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To: Wright, Teresa A
Cc: Warren, Leigh A; Husa, Susan
Subject: FW: IEWO 267157 Vapors rev1
Importance: High

Hi Teresa,

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Thank you,

Ben

From: Warren, Leigh A
Sent: Wednesday, May 07, 2014 12:05 PM
To: Wagar, Benjamin A
Cc: Warren, Leigh A; Husa, Susan
Subject: IEWO 267157 Vapors rev1
Importance: High

Ben,

Here is the revised SOW that needs to be send to DOE. This has incorporated Kevin Smith's changes. I have obtain approvals in Asset Suite for this revision.

It would be greatly appreciated if you would get this to them asap. Please let me know once this is done so we can let Ray Skwarek know.

Thanks,

Leigh Anne Warren
Project Subcontract Representative
509-376-2614

contractor to the United States Department of Energy

Barnes, Nada

From: Husa, Susan
Sent: Tuesday, May 13, 2014 11:44 AM
To: 'bill.wilmarth@srnl.doe.gov'
Cc: Skwarek, Raymond J
Subject: FW: IEWO 267157 Vapors rev1
Attachments: Vapors SOW Rev 2 (2) Rev1.docx

Importance: High

Bill,

Here is the most current copy of the SOW. The mark-ups represent Kevin Smith's edits.

Cheers
Susan

Contract Compliance Officer
Project Contract Management
509-372-9676



washington river
protection solutions

Contractor to the United States Department of Energy

From: Warren, Leigh A
Sent: Tuesday, May 13, 2014 11:31 AM
To: Husa, Susan
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Importance: High

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Cc: Warren, Leigh A; Husa, Susan
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Importance: High

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Leigh Anne Warren
Project Subcontract Representative
509-376-2614

contractor to the United States Department of Energy

Barnes, Nada

From: Warren, Leigh A
Sent: Wednesday, April 30, 2014 7:23 AM
To: Husa, Susan
Cc: Warren, Leigh A
Subject: FW: IEWO SOW review

Susan,

Dave Swanberg said it looked good.

Leigh Anne

From: Swanberg, David J
Sent: Tuesday, April 29, 2014 7:44 PM
To: Warren, Leigh A
Subject: RE: IEWO SOW review

Looks good!

Dave

From: Warren, Leigh A
Sent: Tuesday, April 29, 2014 3:54 PM
To: Swanberg, David J
Cc: Warren, Leigh A
Subject: FW: IEWO SOW review

Not sure if you have time to look over this IEWO SOW. If so it would be greatly appreciated.

Thanks,

Leigh Anne Warren
Project Subcontract Representative
509-376-2614



washington river
protection solutions

contractor to the United States Department of Energy

From: Husa, Susan
Sent: Tuesday, April 29, 2014 2:39 PM
To: Warren, Leigh A
Cc: Skwarek, Raymond J
Subject:

Leigh Anne,

Here is the template filled out to the best of my ability. I have had Jason and Dale take a look at it and they did not see anything dramatically wrong at the time they reviewed. I have talked to Steve Durfee and Alyson. I did not talk to Clint.

The CACN is in process along with the BCR. It should be available tomorrow I think. Ray may have some additional edits tomorrow but I think we are close.

Thank you very much for your support in this manner.

Cheers

Susan

Contract Compliance Officer
Project Contract Management
509-372-9676



Contractor to the United States Department of Energy

Barnes, Nada

From: Warren, Leigh A
Sent: Wednesday, May 07, 2014 11:33 AM
To: Husa, Susan
Cc: Warren, Leigh A
Subject: FW: IEWO SRNL Vapor SOW approval

Whew. We have everyone now but Leo. I hope to have his shortly.

Leigh Anne

From: Sams, Terry L
Sent: Wednesday, May 07, 2014 11:31 AM
To: Warren, Leigh A; Chacon, Alyson C; Roberson, Dale L; Randles, Jason J; Miskho, Anthony G; Butler, J D (Dane); Wolfley, Clinton T; Thompson, Leo E
Cc: Shuford, David H (Dave); Husa, Susan
Subject: RE: IEWO SRNL Vapor SOW approval

I have reviewed the latest version and I concur with the changes.

Terry L. Sams, PMP

Manager, Process Engineering Analysis
WRPS Central Engineering
business: 509-376-4653
cell: (b)(6)



washington river
protection solutions

contractor to the United States Department of Energy

From: Warren, Leigh A
Sent: Wednesday, May 07, 2014 9:13 AM
To: Chacon, Alyson C; Roberson, Dale L; Randles, Jason J; Sams, Terry L; Miskho, Anthony G; Butler, J D (Dane); Wolfley, Clinton T; Thompson, Leo E
Cc: Shuford, David H (Dave); Husa, Susan
Subject: RE: IEWO SRNL Vapor SOW approval

Latest copy just in case you need to send e-mail concurrence.

Leigh Anne

From: Warren, Leigh A
Sent: Wednesday, May 07, 2014 9:08 AM
To: Chacon, Alyson C; Roberson, Dale L; Randles, Jason J; Sams, Terry L; Miskho, Anthony G; Butler, J D (Dane); Wolfley, Clinton T; Thompson, Leo E
Cc: Warren, Leigh A; Shuford, David H (Dave); Husa, Susan
Subject: IEWO SRNL Vapor SOW approval
Importance: High

All,

Changes have been made to the SOW for SRNL Vapor. These are comments from DOE/Kevin Smith. I need you to be able to approve this in Asset Suite when it comes to you or send me a e-mail concurrence. We want to get this back to DOE this afternoon. Routing order:

Alyson Chacon
Leigh Anne Warren
Dale Roberson
Jason Randles
Terry Sams for Dave Shuford (Engineering)
Tony Miskho
Dane Butler
Clint Wolfley
Leo Thompson

Thanks you once again for your help.

Leigh Anne Warren
Project Subcontract Representative
509-376 2614



washington river
protection solutions

contractor to the United States Department of Energy

Barnes, Nada

From: Warren, Leigh A
Sent: Wednesday, April 30, 2014 9:48 AM
To: Husa, Susan
Subject: FW: IEWO SRNL Vapors

FYI

From: Butler, J D (Dane)
Sent: Wednesday, April 30, 2014 9:48 AM
To: Warren, Leigh A
Cc: Bachaud, Grant C
Subject: RE: IEWO SRNL Vapors

Leigh Anne,

Could you please make the following additions/changes;

Section 7.1.4 Applicable ES&H Requirements

On Site Work Provisions apply to this SOW. Preliminary hazard assessment PHA ID: 32 is to be used for general office duties performed in TOC-controlled office facilities and/or observations/walkthroughs in tank farm non-radiological and radiologically controlled areas, including Contamination Areas (CA) and Radiological Buffer Areas (RBA), requiring a General (Not a Job Specific) Radiological Work Permit (RWP) only. Observation activities only are allowed; no hands-on work activities may be performed. No ladder/scaffolding access is allowed. Prior to performing any other activities, a job hazard analysis (JHA) must be completed to cover the activities to be performed. The JHA must be approved by a TOC Safety Representative.

Section 13.0 Special Requirements under the Hanford Site Access section

For work activities within controlled radiological areas where personnel dosimetry monitoring is required, dosimeters will be provided to the Contractor employees. Issued dosimeters will be routinely monitored by the Dosimetry office. The Contractor is responsible to report immediately the loss or damage of any dosimetry to the Company and Dosimetry office

Thank You,

Dane

From: Warren, Leigh A
Sent: Wednesday, April 30, 2014 9:11 AM
To: Butler, J D (Dane); Miskho, Anthony G; Shuford, David H (Dave)
Cc: Warren, Leigh A
Subject: IEWO SRNL Vapors
Importance: High

I will be routing in Asset Suite the attached SOW for an IEWO to go to SRNL for a vapors review.

Please let me know asap if you see any issues. We want to get this over to DOE today. If a change is made to the scope of work I will let you know asap.

Thank you in advance for your time.

Leigh Anne Warren

Project Subcontract Representative

509-376-2614



washington river
protection solutions

contractor to the United States Department of Energy

Barnes, Nada

From: Warren, Leigh A
Sent: Wednesday, April 30, 2014 9:48 AM
To: Husa, Susan
Subject: FW: IEWO SRNL Vapors

FYI

From: Miskho, Anthony G
Sent: Wednesday, April 30, 2014 9:29 AM
To: Warren, Leigh A
Cc: Miskho, Anthony G; Joyner, Jessica A; Shuford, David H (Dave); Butler, J D (Dane)
Subject: RE: IEWO SRNL Vapors

Leigh:

I approve for Jessica Joyner with one comment. Delete the word hazardous in the opening paragraph

Washington River Protection Solutions (WRPS) requires the services of Savannah River National Laboratory (SRNL) to establish and oversee a panel of external experts to examine ~~hazardous~~ chemical vapors management and related worker protection measures at the U.S. Department of Energy's Tank Farms.

Tony
Environmental Protection

From: Warren, Leigh A
Sent: Wednesday, April 30, 2014 9:11 AM
To: Butler, J D (Dane); Miskho, Anthony G; Shuford, David H (Dave)
Cc: Warren, Leigh A
Subject: IEWO SRNL Vapors
Importance: High

I will be routing in Asset Suite the attached SOW for an IEWO to go to SRNL for a vapors review.

Please let me know asap if you see any issues. We want to get this over to DOE today. If a change is made to the scope of work I will let you know asap.

Thank you in advance for your time.

Leigh Anne Warren
Project Subcontract Representative
509-376-2614



contractor to the United States Department of Energy

Barnes, Nada

From: Skwarek, Raymond J
Sent: Wednesday, April 23, 2014 8:31 AM
To: Husa, Susan
Cc: Thomas, Brian R
Subject: FW: Independent Expert Review of Vapors

This review will be conducted by SRNL. We do not yet have estimates, but I'd like to get a task order or contract in place with them as soon as we can.

I'm not sure what the process is by which we have SRNL do work for us, but I know we do it frequently. Hopefully the mechanism is in place and we just need to write up the scope and fund it.

Let's talk later this morning.

Ray

-----Original Message-----

From: Olson, Dave
Sent: Wednesday, April 23, 2014 6:03 AM
To: Thomas, Brian R
Cc: Clark, Wyatt C; Basche, Amy D; Simpson, Charles A; Skwarek, Raymond J; Holloway, Jerry N
Subject: Independent Expert Review of Vapors

Please have John work with Ray today to get the subcontract in place with SRNL to perform an independent expert review of our chemical vapor management program. Ray has the details we would like it to officially start next Monday. We discussed with them last night and they have a leader ready to go. Ray has a first pass at a statement if work. ORP is fully on board. The funds and budget would come out of ESHQ programs.

- Dave Olson

Barnes, Nada

From: Husa, Susan
Sent: Wednesday, April 30, 2014 2:50 PM
To: Skwarek, Raymond J
Cc: Warren, Leigh A
Subject: FW: Noncompetitive procurement justification

Ray,

Please print off and sign the attached PDF as my manager. This was another step that is required for increasing the dollar amount. The fair cost estimate is underway too.

Susan

From: Husa, Susan
Sent: Wednesday, April 30, 2014 2:20 PM
To: Warren, Leigh A
Subject: Noncompetitive procurement justification

Here you are.

Contract Compliance Officer
Project Contract Management
509-372-9676



Non competitive
procurement jus...

Contractor to the United States Department of Energy

Barnes, Nada

From: Warren, Leigh A
Sent: Thursday, May 01, 2014 11:44 AM
To: Husa, Susan
Subject: FW: Re:

From: Husa, Susan
Sent: Wednesday, April 30, 2014 11:11 AM
To: Skwarek, Raymond J
Cc: Simpson, Charles A; Warren, Leigh A
Subject: RE: Re:

Ray,

Okay. Leigh Anne is going to raise the \$ amount to \$1M. Understand if their estimate comes in lower we will never see the money again. We will continue routing for approvals since most do not see the \$amount. I will see about getting the BCR adjusted. Could you have Bill give me a name for the estimator to work with so I am ready when they call.

Susan

From: Skwarek, Raymond J
Sent: Wednesday, April 30, 2014 11:04 AM
To: Husa, Susan
Cc: Simpson, Charles A; Warren, Leigh A
Subject: RE: Re:

I think we have to do it. SRNL isn't going to be able to award contracts for the consultants with only \$250K, and that will be one of the first steps needed to be done. Bill can connect us with someone from SRNL to work with our estimators. I don't think it would be too hard to get the info we need.

Charles, do you agree?

Ray

From: Husa, Susan
Sent: Wednesday, April 30, 2014 10:57 AM
To: Skwarek, Raymond J
Cc: Simpson, Charles A; Warren, Leigh A
Subject: RE: Re:

Ray,

I have Dave Burt seeing if he can shake an estimator free to drop everything and perform the fair cost estimate. The estimator is going to say that the detail in Bill's note is too sketchy to do a real estimate: i.e. no labor rates, no point of origin for the travel if SRNL is bringing in outside consultants, no detail on number of trips etc. Not sure I can get them to turn around anything in roughly half a day. It will take some discussion to get them to perform the estimate but at the end of the day they will.

However I think we would be delaying the paperwork going to ORP till tomorrow or Friday. Also, the BCR would have to be adjusted to a higher value.

Susan

From: Skwarek, Raymond J
Sent: Wednesday, April 30, 2014 10:43 AM
To: Husa, Susan
Cc: Simpson, Charles A
Subject: FW: Re:

Can we up it to \$800K or an even \$1M without holding things up? or, what other information would we need to make it a larger number, and how quickly can we obtain that additional information.

Ray

From: bill.wilmarth@srnl.doe.gov [<mailto:bill.wilmarth@srnl.doe.gov>]
Sent: Wednesday, April 30, 2014 10:38 AM
To: Skwarek, Raymond J
Subject: Re: Re:

I would agree

From: "Skwarek, Raymond J" [Raymond_J_Skwarek@rl.gov]
Sent: 04/30/2014 05:37 PM GMT
To: William (Bill) Wilmarth
Subject: RE: Re:

Sounds like you may need nearly a \$1M or slightly less?

From: bill.wilmarth@srnl.doe.gov [<mailto:bill.wilmarth@srnl.doe.gov>]
Sent: Wednesday, April 30, 2014 10:32 AM
To: Skwarek, Raymond J
Cc: Husa, Susan; sharon.marra@srnl.doe.gov
Subject: Re: Re:

I am assuming I will pull a team of 6 experts. At \$250/h, I would need to commit \$200k for travel and per diem for 2.5 weeks of time for the 6 consultants. Just as an example. The consultants will want full commitments for the entire 4 to 6 month effort

From: "Skwarek, Raymond J" [Raymond_J_Skwarek@rl.gov]
Sent: 04/30/2014 05:21 PM GMT
To: William (Bill) Wilmarth
Cc: "Husa, Susan" <Susan_Husa@rl.gov>
Subject: RE: Re:

How much do you need? I'll do what I can but on the other hand, we don't want to delay approval. Any other suggestions?

Ray

From: bill.wilmarth@srnl.doe.gov [mailto:bill.wilmarth@srnl.doe.gov]
Sent: Wednesday, April 30, 2014 10:20 AM
To: Skwarek, Raymond J; sharon.marra@srnl.doe.gov
Subject: Re:

Not sure that is enough for me to issue contracts for the team members

From: "Skwarek, Raymond J" [Raymond_J_Skwarek@rl.gov]
Sent: 04/30/2014 05:17 PM GMT
To: William (Bill) Wilmarth; Sharon Marra
Subject: FW:

Here is a copy of the IEWO that's being routed. I believe our plan is to initially fund this at \$240K, recognizing that this not intended to be an estimate for the review, but is a good amount to get you started, and it's below the \$250K threshold that would require additional cost estimating to be done now, which would be difficult.

Ray

From: Husa, Susan
Sent: Wednesday, April 30, 2014 9:51 AM
To: Skwarek, Raymond J
Subject: RE:

You are correct. Here it is with the communications bullet expanded. Sorry about that.

Susan

From: Skwarek, Raymond J
Sent: Wednesday, April 30, 2014 8:38 AM
To: Husa, Susan
Subject: FW:

Just based on a quick look, I noted that the bullet pertaining to communications with workers referred to just "events". We expanded that bullet in our last review. I don't know if there are any other changes we discussed not incorporated. I did not perform a detailed review. Can you pls double check and make sure we have the correct version.

From: Warren, Leigh A
Sent: Wednesday, April 30, 2014 8:18 AM
To: Chacon, Alyson C
Cc: Warren, Leigh A; Wolfley, Clinton T; Skwarek, Raymond J; Husa, Susan
Subject: FW:

Alyson,

Can you obtain signatures for me on the attached IEWO request form and return to me. I have been working with Susan Husa on this IEWO.

I will get Steve Durfee's.

Thanks,

Leigh Anne Warren

Project Subcontract Representative
509-376-2614

contractor to the United States Department of Energy

From: Husa, Susan

Sent: Wednesday, April 30, 2014 7:57 AM

To: Warren, Leigh A

Subject:

Okay got the CACN

Susan

Contract Compliance Officer
Project Contract Management
509-372-9676

Contractor to the United States Department of Energy

Can you obtain signatures for me on the attached IEWO request form and return to me. I have been working with Susan Husa on this IEWO.

I will get Steve Durfee's.

Thanks,

Leigh Anne Warren
Project Subcontract Representative
509-376-2614

contractor to the United States Department of Energy

From: Husa, Susan
Sent: Wednesday, April 30, 2014 7:57 AM
To: Warren, Leigh A
Subject:

Okay got the CACN

Susan

Contract Compliance Officer
Project Contract Management
509-372-9676

Contractor to the United States Department of Energy

Barnes, Nada

From: Warren, Leigh A
Sent: Wednesday, April 30, 2014 1:45 PM
To: Wolfley, Clinton T; Skwarek, Raymond J
Cc: Warren, Leigh A; Thompson, Leo E; Husa, Susan
Subject: FW: revised IEWO request form

Ray and Clint,

I just talked to Leo Thompson and he is willing to approve in Asset Suite as the final CAM approver since he has enough dollars authorization for our request. He would just like an e-mail from both of you stating it is ok for him to do so.

Please send your e-mail concurrence.

Thanks,

Leigh Anne Warren

Project Subcontract Representative
509-376-2614



**washington river
protection solutions**

contractor to the United States Department of Energy

From: Wolfley, Clinton T
Sent: Wednesday, April 30, 2014 1:24 PM
To: Warren, Leigh A
Cc: Chacon, Alyson C
Subject: RE: revised IEWO request form

Just went into Asset suite, the amount exceed my authorization approval limit.

clint

From: Warren, Leigh A
Sent: Wednesday, April 30, 2014 1:21 PM
To: Skwarek, Raymond J; Chacon, Alyson C; Wolfley, Clinton T; Durfee, Steven R
Cc: Husa, Susan; Wagar, Benjamin A
Subject: RE: revised IEWO request form

Yes. Alyson said she left is in your inbox.

From: Skwarek, Raymond J
Sent: Wednesday, April 30, 2014 1:20 PM
To: Warren, Leigh A; Chacon, Alyson C; Wolfley, Clinton T; Durfee, Steven R
Cc: Husa, Susan; Wagar, Benjamin A
Subject: RE: revised IEWO request form

I approve. Do I need to sign again? thanks.

Ray

From: Warren, Leigh A
Sent: Wednesday, April 30, 2014 11:21 AM
To: Chacon, Alyson C; Skwarek, Raymond J; Wolfley, Clinton T; Durfee, Steven R
Cc: Warren, Leigh A; Husa, Susan; Wagar, Benjamin A
Subject: revised IEWO request form

Alyson,

Here is the revised IEWO request form for 1M. Can you please obtain signature again on this.

Thank you,

Leigh Anne Warren
Project Subcontract Representative
509-376-2614



contractor to the United States Department of Energy

Barnes, Nada

From: Skwarek, Raymond J
Sent: Tuesday, April 29, 2014 11:27 AM
To: Greenwell, Roland D; McDonald, John A
Cc: Husa, Susan
Subject: FW: Scope revision
Attachments: SRNL Vapors Review DRAFT3.docx

I incorporated your comments from your prior responses as I thought appropriate. I added number of them, but also found some to be too detailed, and some were more like a comment, not a scope definition. Thanks for your help.

Here's what we have now. Note that the safety culture was removed from the scope. That will be the biggest change you see.

This is getting closer the last chance you may have to influence the scope, so please review and offer specific changes or additions by COB today. Please note that I don't want to get into much more depth. I want to allow the independent SRNL team leeway in what they look at and how they do it. Is there anything big that I've overlooked? This has been sent to SRNL as a draft.

Thx

Ray

From: Husa, Susan
Sent: Tuesday, April 29, 2014 9:11 AM
To: Skwarek, Raymond J
Subject: Scope revision

Here you are.

Susan

Contract Compliance Officer
Project Contract Management
509-372-9676



Contractor to the United States Department of Energy

Barnes, Nada

From: Skwarek, Raymond J
Sent: Tuesday, April 29, 2014 11:00 AM
To: bill.wilmarth@srnl.doe.gov; sharon.marra@srnl.doe.gov
Cc: Husa, Susan
Subject: FW: Scope revision
Attachments: SRNL Vapors Review DRAFT3.docx

Bill/Sharon:

I revised the scope bullets that I sent you previously to take out those items related to safety culture. I expanded just a bit the bullet on assessing communications with employees, to go beyond just "events", but also to include more broadly the "WRPS chemical vapors IH program".

These bullets do not include anything on the HPMC occupational medical provider scope.

I am open to you guys making suggestions for additions or changes to this scope bullets. Let me know if you have any changes to suggest.

We are working to get a work order in place with sufficient funding to get you going as quickly as possible. It goes from DOE to DOE at the sites, so it's going to take some time, unfortunately. The attachment above is what the scope in the work order will have. The final cost estimate we have no way of knowing until we finalize the scope, SRNL defines their team, etc. the plan is that the work order will be replenished ahead of when needed.

Ray

From: Husa, Susan
Sent: Tuesday, April 29, 2014 9:11 AM
To: Skwarek, Raymond J
Subject: Scope revision

Here you are.

Susan

Contract Compliance Officer
Project Contract Management
509-372-9676



washington river
protection solutions

Contractor to the United States Department of Energy

Barnes, Nada

From: Skwarek, Raymond J
Sent: Tuesday, May 13, 2014 11:16 AM
To: sharon.marra@srnl.doe.gov
Cc: bill.wilmarth@srnl.doe.gov; Husa, Susan
Subject: FW: SRNL review funding

Sharon, in response to your email, yes, it would be helpful for you to talk to Tom Fletcher. See the e-mail below that I sent to him yesterday, which captures the information you, bill, and I discussed. I also attempted, without success, to call Tom on this topic. I am here today and can be involved as needed.

Ray

From: Skwarek, Raymond J
Sent: Monday, May 12, 2014 11:01 AM
To: Harkins, Brian A; Fletcher, Thomas W
Cc: Husa, Susan
Subject: SRNL review funding

Guys:

I tried to call and will continue. Here's the issue:

We've been informed that ORP desires to fund the IEWO for the SRNL external review at \$500K versus the \$1M we requested. Additional funding would be provided later once the team is formed and the detailed review plan developed. This approach is not very workable due to the procurement of consultants.

The majority of the funding will be used to put independent consultants under contract to perform this work. SRNL asked the consultants about a partial funding approach. The consultants responded that they need to know up front and have the entire scope on contract in order to participate. If the initial dollars are reduced, SRNL would be compelled to either reduce the number of team members or reduce the time and scope of the review. We won't be able to obtain these consultants with an incremental funding approach. From a procurement process, SRNL needs the funding in hand in order to obligate the contracts to the consultants.

We know ORP wants the team with their feet on the ground working very soon. SRNL must get their procurements for a highly respected team in place. To do this Bill must write the procurements and fully fund his team for the effort to get through his procurement process. If the concern is that once the money is transferred with an IEWO process, any unused funding is not returned, I would say I am confident that with the consultants we're getting and the scope of this review, at least the full \$1M will be used.

What can I do to get this moving? Summertime is approaching, and we have a window of opportunity to obtain an outstanding review team. If things stall, we are at risk of losing some of them.

Ray

Barnes, Nada

From: Skwarek, Raymond J
Sent: Wednesday, April 23, 2014 4:28 PM
To: Husa, Susan
Subject: FW: vapors independent review

fyi

From: Skwarek, Raymond J
Sent: Wednesday, April 23, 2014 4:27 PM
To: bill.wilmarth@srnl.doe.gov
Cc: Holloway, Jerry N; sharon.marra@srnl.doe.gov
Subject: vapors independent review

Bill:

Latest status as of 1600 pacific time.

DOE-ORP and WRPS have had further discussions with DOE-RL. The two DOE's agreed that an independent review of the occupational medical provider and the process for vapors related medical evaluations, treatment, return to work authorizations, and workman's compensation processes, should also be performed.

DOE-RL has an independent agency who is qualified and on contract to them perform this review, so this part will not be rolled into the SRNL review as we discussed could be one option. So, the SRNL review scope for DOE-ORP and WRPS will be consistent with the scope bullets (amended as mutually agreed to) that I provided to you earlier today.

There will be two separate reviews, with the plan for them to be conducted in parallel. Possibly we'll want to have a check point to make sure that between the two reviews, all necessary areas are being covered, and none are being duplicated.

A final bit of new status and information is that DOE-ORP asked us to get a press release out tomorrow to announce that SRNL will be performing this independent technical review.

Jerry Holloway is our PR manager, and he's going to make contact with Will Callicut to coordinate. The announcement may also make mention of the second review of the occupational medical provider's role, if that can be coordinated in time.

I'll talk with you tomorrow AM. Thanks, Bill. Things are moving quickly here, and I really appreciate SRNL's responsiveness over the past 24 hours.

Once this press announcement is made, SRNL can go ahead and contact the potential members of your technical review team that participated in the prior 2010 review, and see if you can get them on contract.

Ray Skwarek

Barnes, Nada

From: Skwarek, Raymond J
Sent: Friday, May 02, 2014 12:31 PM
To: Husa, Susan
Subject: FW: Vapors SOW

Fyi.

Ray

From: Harkins, Brian A
Sent: Thursday, May 01, 2014 4:51 PM
To: Skwarek, Raymond J
Subject: Vapors SOW

Ray,

This is what I send Kevin, FYI. I used track changes so you could see my changes. I should have something back from



Vapors SOW Rev 2
(2).docx

him tomorrow morning.

Barnes, Nada

From: bill.wilmarth@sml.doe.gov
Sent: Thursday, May 08, 2014 1:59 PM
To: Husa, Susan
Subject: Fw: Vapors SOW Rev 2 (2).docx

----- Forwarded by Bill Wilmarth/SRNL/Srs on 05/08/2014 04:58 PM -----

From: Bill Wilmarth/SRNL/Srs
To: "Skwarek, Raymond J",
Cc: "sharon.mama@sml.doe.gov"
Date: 05/08/2014 08:22 AM
Subject: Re: Fwd: Vapors SOW Rev 2 (2).docx

A couple of points

- Susan is right that we stop at 90%
- 8 consultants at \$300/h for 300h of service plus travel and per diem is on the ~\$750k assuming having the consultant on board of 3 - 4 months
- SRNL costs are on the order of \$150 - 200k

From: "Skwarek, Raymond J"
To: "bill.wilmarth@sml.doe.gov",
Cc: "sharon.mama@sml.doe.gov"
Date: 05/07/2014 08:09 PM
Subject: Fwd: Vapors SOW Rev 2 (2).docx

Bill can you provide me a sentence or two as to why you need that level of funding needed to get the consultants under contract. Or, if you can get started effectively with half that amount, please communicate that back to us.

I'm ready to go to bat for you for the \$1M but will want you to help me make the case.

Sent from my iPhone
Ray Skwarek

Begin forwarded message:

From: "Husa, Susan" <Susan_Husa@rl.gov>
Date: May 7, 2014 at 7:09:20 PM EDT
To: "Skwarek, Raymond J" <Raymond_J_Skwarek@rl.gov>
Cc: "Rutland, Paul L" <Paul_L_Rutland@rl.gov>
Subject: RE: Vapors SOW Rev 2 (2).docx

Ray

ORP is balking at the dollar amount on the IEWO. They will not allow it to go through at \$1M. SRNL's track record in performing work within a budget is not good. They hold back 10% just because of the indirect rate adjustments and stop work at 85% spent.

The ORP budget analyst says that she is willing to give them \$500K to start. Then when they turn in their assessment plan in 2 weeks if they need more (which they will) she can relatively quickly increase the dollar amount. She said that she might be able if I give them our independent Cost estimate showed that they needed more but Tom Fletcher is not necessarily on board with this.

I told her that the issue was that we had tried to start with a smaller dollar amount to get the work turned on but that SRNL had said that they could not get their team on board for \$240K. Someone needs to talk to Bill Wilmarth at the Lab and see if he can buy starting at \$500K and then getting additional funding if necessary once he has turned in his plan. Do you want to talk to him or one of us. Call me on my cell [REDACTED] when you get this I am going down to talk to Paul now.

Susan

From: Skwarek, Raymond J
Sent: Wednesday, May 07, 2014 2:46 PM
To: Husa, Susan
Cc: Rutland, Paul L
Subject: Re: Vapors SOW Rev 2 (2).docx

ORP called me a few hours ago and told is to go with what we have, just as I asked you yesterday. Please get it revised, re approved, and back to ORP as soon as you can. Our responsiveness will be appreciated. Once it's back to ORP, pls notify me in a brief email and cc Brian Harkins of ORP. Thanks, guys.

Sent from my iPhone
Ray Skwarek

On May 7, 2014, at 11:41 AM, "Husa, Susan" <Susan_Husa@rl.gov> wrote:
Okay sounds good. It will be routed to Paul to sign off on in your place.

Cheers
Susan

From: Skwarek, Raymond J
Sent: Tuesday, May 06, 2014 9:34 PM
To: Husa, Susan
Cc: Rutland, Paul L
Subject: Fwd: Vapors SOW Rev 2 (2).docx

Let's incorporate these comments and get it approved and back to ORP. If tom fletcher has other essential comments, we'll do another cycle. I think that is unlikely since the comments we have are from Kevin himself. Thx.

Sent from my iPhone
Ray Skwarek

Begin forwarded message:
From: "Harkins, Brian A" <Brian_A_Harkins@orp.doe.gov>
Date: May 6, 2014 at 6:42:51 PM EDT
To: "Skwarek, Raymond J" <Raymond_J_Skwarek@rl.gov>
Subject: FW: Vapors SOW Rev 2 (2).docx
Ray,

I have been waiting on comments from Tom Fletcher but he has been tied up with other things. Here are my comments. If Tom

sends me his I will pass them on. Sorry for the delay.

From: Smith, Kevin W (ORP)
Sent: Sunday, May 04, 2014 7:12 PM
To: Harkins, Brian A
Cc: Fletcher, Thomas W; Dowell, Jonathan A
Subject: Fw: Vapors SOW Rev 2 (2).docx

See below.

(b)(6) **From:** Kevin W. Smith [mailto:]
Sent: Sunday, May 04, 2014 06:27 PM
To: Smith, Kevin W (ORP)
Subject: RE: Vapors SOW Rev 2 (2).docx

Brian ... please look at (b)(5) Thx .. Kevin

From: Harkins, Brian A
Sent: Thursday, May 01, 2014 4:49 PM
To: Smith, Kevin W (ORP)
Subject: Vapors SOW Rev 2 (2).docx

Kevin,

Attached is the TF Vapor SOW with the changes I made shown with track changes.

Barnes, Nada

From: Warren, Leigh A
Sent: Wednesday, May 07, 2014 10:28 AM
To: Rutland, Paul L
Cc: Warren, Leigh A; Husa, Susan
Subject: FW: Vapors SOW Rev 2 (2).docx
Attachments: Vapors SOW Rev 2 (2) Rev1.docx

Importance: High

Paul,

Can I get your e-mail concurrence on this revised SOW for SRNL IEWO.

Thanks,

Leigh Anne Warren

Project Subcontract Representative
509-376-2614



washington river
protection solutions

contractor to the United States Department of Energy

From: Husa, Susan
Sent: Wednesday, May 07, 2014 8:40 AM
To: Warren, Leigh A
Subject: FW: Vapors SOW Rev 2 (2).docx

Here we go.

Susan

From: Skwarek, Raymond J
Sent: Tuesday, May 06, 2014 9:34 PM
To: Husa, Susan
Cc: Rutland, Paul L
Subject: Fwd: Vapors SOW Rev 2 (2).docx

Let's incorporate these comments and get it approved and back to ORP. If tom fletcher has other essential comments, we'll do another cycle. I think that is unlikely since the comments we have are from Kevin himself. Thx.

Sent from my iPhone
Ray Skwarek

Begin forwarded message:

From: "Harkins, Brian A" <Brian_A_Harkins@orp.doe.gov>
Date: May 6, 2014 at 6:42:51 PM EDT

To: "Skwarek, Raymond J" <Raymond_J_Skwarek@rl.gov>

Subject: FW: Vapors SOW Rev 2 (2).docx

Ray,

I have been waiting on comments from Tom Fletcher but he has been tied up with other things. Here are my comments. If Tom sends me his I will pass them on. Sorry for the delay.

From: Smith, Kevin W (ORP)

Sent: Sunday, May 04, 2014 7:12 PM

To: Harkins, Brian A

Cc: Fletcher, Thomas W; Dowell, Jonathan A

Subject: Fw: Vapors SOW Rev 2 (2).docx

See below.

(b)(6)

From: Kevin W. Smith [mailto:]

Sent: Sunday, May 04, 2014 06:27 PM

To: Smith, Kevin W (ORP)

Subject: RE: Vapors SOW Rev 2 (2).docx

Brian ... please look at (b)(5) Thx ..
Kevin

From: Harkins, Brian A

Sent: Thursday, May 01, 2014 4:49 PM

To: Smith, Kevin W (ORP)

Subject: Vapors SOW Rev 2 (2).docx

Kevin,

Attached is the TF Vapor SOW with the changes I made shown with track changes.

Barnes, Nada

From: Skwarek, Raymond J
Sent: Monday, May 05, 2014 9:33 AM
To: Husa, Susan
Subject: FW: Vapors SOW Rev 2 (2).docx

We'll need to wait to make sure we get the final version from Brian harkins, but I would expect it will be this version.

Ray

From: Olson, Dave
Sent: Monday, May 05, 2014 9:28 AM
To: Skwarek, Raymond J
Subject: Fwd: Vapors SOW Rev 2 (2).docx

Sent from my iPhone

Begin forwarded message:

From: "Smith, Kevin W (ORP)" <Kevin_W_Smith@orp.doe.gov>
Date: May 5, 2014 at 11:07:29 AM EDT
To: "Olson, Dave" <Dave_Olson@rl.gov>
Subject: FW: Vapors SOW Rev 2 (2).docx

Just FYI ... Brian will work with your folks.

From: Kevin B. (b)(6) Smith [mailto:(b)(6)]
Sent: Sunday, May 04, 2014 6:27 PM
To: Smith, Kevin W (ORP)
Subject: RE: Vapors SOW Rev 2 (2).docx

Brian ... please look at (b)(5) Thx .. Kevin

From: Harkins, Brian A
Sent: Thursday, May 01, 2014 4:49 PM
To: Smith, Kevin W (ORP)
Subject: Vapors SOW Rev 2 (2).docx

Kevin,



Vapors SOW Rev 2
(2) Rev1.docx...



ATT00001.htm

Attached is the TF Vapor SOW with the changes I made shown with track changes.

Barnes, Nada

From: Husa, Susan
Sent: Wednesday, May 07, 2014 8:40 AM
To: Warren, Leigh A
Subject: FW: Vapors SOW Rev 2 (2).docx
Attachments: Vapors SOW Rev 2 (2) Rev1.docx; ATT00001.htm

Here we go.

Susan

From: Skwarek, Raymond J
Sent: Tuesday, May 06, 2014 9:34 PM
To: Husa, Susan
Cc: Rutland, Paul L
Subject: Fwd: Vapors SOW Rev 2 (2).docx

Let's incorporate these comments and get it approved and back to ORP. If tom fletcher has other essential comments, we'll do another cycle. I think that is unlikely since the comments we have are from Kevin himself. Thx.

Sent from my iPhone
Ray Skwarek

Begin forwarded message:

From: "Harkins, Brian A" <Brian_A_Harkins@orp.doe.gov>
Date: May 6, 2014 at 6:42:51 PM EDT
To: "Skwarek, Raymond J" <Raymond_J_Skwarek@rl.gov>
Subject: FW: Vapors SOW Rev 2 (2).docx

Ray,

I have been waiting on comments from Tom Fletcher but he has been tied up with other things. Here are my comments. If Tom sends me his I will pass them on. Sorry for the delay.

From: Smith, Kevin W (ORP)
Sent: Sunday, May 04, 2014 7:12 PM
To: Harkins, Brian A
Cc: Fletcher, Thomas W; Dowell, Jonathan A
Subject: Fw: Vapors SOW Rev 2 (2).docx

See below.

(b)(6) **From:** Kevin & [redacted] Smith [mailto:[redacted]]
Sent: Sunday, May 04, 2014 06:27 PM
To: Smith, Kevin W (ORP)
Subject: RE: Vapors SOW Rev 2 (2).docx
Brian ... please look at (b)(5) [redacted] Thx ..
Kevin

From: Harkins, Brian A
Sent: Thursday, May 01, 2014 4:49 PM
To: Smith, Kevin W (ORP)
Subject: Vapors SOW Rev 2 (2).docx

Kevin,

Attached is the TF Vapor SOW with the changes I made shown with track changes.

Barnes, Nada

From: Skwarek, Raymond J
Sent: Friday, April 25, 2014 4:03 PM
To: Husa, Susan
Subject: Fwd: Savannah River National Laboratory asked to lead independent expert review of chemical vapors and worker protection at DOE's Hanford waste tanks
Attachments: NR - SRNL Hanford Vapor review 4-25-14 FINAL.DOCX; ATT00001.htm

Can you please check this press release against the scope of work document and see if there's anything of significance in the release that is missing from the scope. I gave Jerry Holloway the earlier scope document to help him prepare the press release, but he might have used other information as well. Thanks.

Sent from my iPhone
Ray Skwarek

Begin forwarded message:

From: "Holloway, Jerry N" <Jerry_N_Holloway@rl.gov>
To: "Olson, Dave" <Dave_Olson@rl.gov>, "Clark, Wyatt C" <Wyatt_C_Clark@rl.gov>, "Kennedy, Edward E" <Edward_E_Kennedy@rl.gov>, "Parkhurst, George A" <George_A_Parkhurst@rl.gov>, "Page, Rosalyn S" <Rosalyn_S_Page@rl.gov>, "McDonald, John A" <John_A_McDonald@rl.gov>, "Basche, Amy D" <Amy_D_Basche@rl.gov>, "Smith, Donald K (Kent)" <Donald_K_Kent_Smith@rl.gov>, "Burrows, Christopher" <Christopher_Burrows@rl.gov>, "Johnson, Gloria J" <Gloria_J_Johnson@rl.gov>, "Thomas, Brian R" <Brian_R_Thomas@rl.gov>, "Wilkinson, Robert E" <Robert_E_Wilkinson@rl.gov>, "Gregory, Robert E (Rob)" <Robert_E_Rob_Gregory@rl.gov>, "Little, David B" <David_B_Little@rl.gov>, "Skwarek, Raymond J" <Raymond_J_Skwarek@rl.gov>, "Greenwell, Roland D" <Roland_D_Greenwell@rl.gov>, "Wolfley, Clinton T" <Clinton_T_Wolfley@rl.gov>, "Robinson, John M" <John_M_Robinson@rl.gov>
Subject: Savannah River National Laboratory asked to lead independent expert review of chemical vapors and worker protection at DOE's Hanford waste tanks

Jerry Holloway
External Affairs Manager
Washington River Protection Solutions,
contractor to the United States Department of Energy
509.372.9953

Barnes, Nada

From: Skwarek, Raymond J
Sent: Wednesday, April 30, 2014 10:24 AM
To: Husa, Susan; Simpson, Charles A
Subject: IEWO

Given the ORP sense of urgency on the vapors review, SRNL might not be able to put the initial contracts in place for their team with \$240K. Can we get approval to go higher without slowing down the process substantially?

I'm asking SRNL if they have other suggestions on how to proceed, but in parallel would like to see if we can go to a higher dollar figure.

Thx,

Ray

Barnes, Nada

From: Skwarek, Raymond J
Sent: Wednesday, May 14, 2014 8:10 AM
To: Husa, Susan; sharon.marra@srnl.doe.gov
Cc: Clark, Wyatt C; Simpson, Charles A
Subject: IEWO Status

I've heard that we are providing information to Fletcher that will support his approval of the \$1M. Is this your understanding? I'll be leaving the office shortly, as I have knee surgery scheduled for later this morning, but wanted to see if there is a path to getting the IEWO established working.

Susan Husa is our lead on this. Please feel free to communicate directly with her as I'll personally be "offline" for much of today.

Ray

Barnes, Nada

From: Husa, Susan
Sent: Wednesday, April 30, 2014 2:20 PM
To: Warren, Leigh A
Subject: Noncompetitive procurement justification

Here you are.

Contract Compliance Officer
Project Contract Management
509-372-9676



Non competitive
procurement jus...

Contractor to the United States Department of Energy

Barnes, Nada

From: Skwarek, Raymond J
Sent: Wednesday, April 30, 2014 9:23 AM
To: bill.wilmarth@srnl.doe.gov
Cc: sharon.marra@srnl.doe.gov; Husa, Susan; Olson, Dave
Subject: public meeting last night and follow-up for external review

Bill:

I'll call you after sending this e-mail to discuss further. As you would expect, the external review was a topic of discussion at the meeting last night. As a result, Kevin Smith and Dave Olson would like to have the following information from SRNL, ready for us to present Kevin and others in ORP in a briefing this coming Monday. The product for Monday would be a briefing. I'm expecting that I'll do the briefing, but you are welcome and encouraged to be involved to the degree you wish. Possibly you can participate by phone?

1. Statement of Work
2. Key elements of Review Work Plan (bullets, not the details)
3. Schedule
 - a. ORP would like a start on May 12, complete review and have draft report and internal briefings to start to be made Sept 1, and Final report by Sept 30
 - b. Schedule would include some interim activities along the way (e.g. develop LOI's, obtain vapors historical data, interview employees)
4. Team make-up
 - a. By technical expertise and agencies being drawn upon for the team make-up
 - b. If some team member names are known now, include this as well
5. Deliverable set
 - a. LOI's, Draft Report, Presentations, Final Report, Conclusions, Recommendations, (I think the e-mail with bullets you sent me the other day covers much of this)
6. Governance Protocol (not the detailed "how" but just acknowledgement of the various elements that will govern the review)
 - a. Process for obtaining worker input
 - b. Process for obtaining input from other stakeholders or experts
 - c. Procedure or process that will govern the conduct of the review (DOE External Review Guide and/or ?-other SRNL processes-?)

ORP and Dave would like for you and others on the team, if identified, to be here the week of May 12th, to have an official kickoff for the review. We would like you to be prepared to make statement to the press during that week.

We are working to get the IEWO signed today here.

Ray

Barnes, Nada

From: Skwarek, Raymond J
Sent: Wednesday, April 30, 2014 10:11 AM
To: Husa, Susan
Subject: RE:

Will you pls provide to lee ann and then I'll sign it if she brings it to me. We want to get it approved ASAP.

Ray

From: Husa, Susan
Sent: Wednesday, April 30, 2014 9:51 AM
To: Skwarek, Raymond J
Subject: RE:

You are correct. Here it is with the communications bullet expanded. Sorry about that.

Susan

From: Skwarek, Raymond J
Sent: Wednesday, April 30, 2014 8:38 AM
To: Husa, Susan
Subject: FW:

Just based on a quick look, I noted that the bullet pertaining to communications with workers referred to just "events". We expanded that bullet in our last review. I don't know if there are any other changes we discussed not incorporated. I did not perform a detailed review. Can you pls double check and make sure we have the correct version.

From: Warren, Leigh A
Sent: Wednesday, April 30, 2014 8:18 AM
To: Chacon, Alyson C
Cc: Warren, Leigh A; Wolfley, Clinton T; Skwarek, Raymond J; Husa, Susan
Subject: FW:

Alyson,

Can you obtain signatures for me on the attached IEWO request form and return to me. I have been working with Susan Husa on this IEWO.

I will get Steve Durfee's.

Thanks,

Leigh Anne Warren
Project Subcontract Representative
509-376-2614



contractor to the United States Department of Energy

From: Husa, Susan

Sent: Wednesday, April 30, 2014 7:57 AM

To: Warren, Leigh A

Subject:

Okay got the CACN

Susan

Contract Compliance Officer
Project Contract Management
509-372-9676



Contractor to the United States Department of Energy

Barnes, Nada

From: Warren, Leigh A
Sent: Wednesday, April 30, 2014 8:33 AM
To: Skwarek, Raymond J
Cc: Husa, Susan
Subject: RE:

Here you go.

From: Skwarek, Raymond J
Sent: Wednesday, April 30, 2014 8:32 AM
To: Warren, Leigh A
Cc: Husa, Susan
Subject: RE:

Can you pls send me the entire document? thanks. I am ready to sign.

Ray

From: Warren, Leigh A
Sent: Wednesday, April 30, 2014 8:18 AM
To: Chacon, Alyson C
Cc: Warren, Leigh A; Wolfley, Clinton T; Skwarek, Raymond J; Husa, Susan
Subject: FW:

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I will get Steve Durfee's.

Thanks,

Leigh Anne Warren
Project Subcontract Representative
509-376-2614



267157 SOW IEWO
Vapors 4-29-20...

contractor to the United States Department of Energy

From: Husa, Susan
Sent: Wednesday, April 30, 2014 7:57 AM
To: Warren, Leigh A
Subject:

Okay got the CACN

Susan

**Contract Compliance Officer
Project Contract Management
509-372-9676**

Contractor to the United States Department of Energy

Barnes, Nada

From: Husa, Susan
Sent: Wednesday, April 30, 2014 10:13 AM
To: Skwarek, Raymond J
Subject: RE:

Already done. Leigh Anne is incorporating Radcon and Environmental' s comments and will route again.

Susan

From: Skwarek, Raymond J
Sent: Wednesday, April 30, 2014 10:11 AM
To: Husa, Susan
Subject: RE:

Will you pls provide to lee ann and then I'll sign it if she brings it to me. We want to get it approved ASAP.

Ray

From: Husa, Susan
Sent: Wednesday, April 30, 2014 9:51 AM
To: Skwarek, Raymond J
Subject: RE:

You are correct. Here it is with the communications bullet expanded. Sorry about that.

Susan

From: Skwarek, Raymond J
Sent: Wednesday, April 30, 2014 8:38 AM
To: Husa, Susan
Subject: FW:

Just based on a quick look, I noted that the bullet pertaining to communications with workers referred to just "events". We expanded that bullet in our last review. I don't know if there are any other changes we discussed not incorporated. I did not perform a detailed review. Can you pls double check and make sure we have the correct version.

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Leigh Anne Warren

Project Subcontract Representative

509-376-2614



washington river
protection solutions

contractor to the United States Department of Energy

From: Husa, Susan

Sent: Wednesday, April 30, 2014 7:57 AM

To: Warren, Leigh A

Subject:

Okay got the CACN

Susan

Contract Compliance Officer

Project Contract Management

509-372-9676



washington river
protection solutions

Contractor to the United States Department of Energy

Barnes, Nada

From: Husa, Susan
Sent: Wednesday, April 30, 2014 1:33 PM
To: Grimm, Nathan A
Subject: RE:

Sure. Just finished it.

Susan

From: Grimm, Nathan A
Sent: Wednesday, April 30, 2014 1:33 PM
To: Husa, Susan
Subject: RE:

Is there an SOW for the work?

NG

(b)(6)

Nathan A Grimm@rl.gov

Washington River Protection Solutions
contractor to the United States Department of Energy

From: Husa, Susan
Sent: Wednesday, April 30, 2014 1:32 PM
To: Grimm, Nathan A
Subject:

Nathan,

I need a fair cost estimate done for the IEWO that we are putting in place for Savannah River National Labs. Everything I know at this point is included in the email message attached. We are thinking that it is reasonable to have a team of 6 consultants for a roughly 4 months pretty much full-time. Probably one trip out here. I have been just working on getting the IEWO going. I have been told that procurement requires a fair cost estimate.

Give me a call. We are expecting SRNL to prepare an assessment plan along with a schedule and estimate within 2 weeks of the award.

Susan

Contract Compliance Officer
Project Contract Management
509-372-9676



Vapors SOW Rev
2.docx

Contractor to the United States Department of Energy

Barnes, Nada

From: Husa, Susan
Sent: Wednesday, April 30, 2014 9:51 AM
To: Skwarek, Raymond J
Subject: RE:

You are correct. Here it is with the communications bullet expanded. Sorry about that.

Susan

From: Skwarek, Raymond J
Sent: Wednesday, April 30, 2014 8:38 AM
To: Husa, Susan
Subject: FW:

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From: Warren, Leigh A
Sent: Wednesday, April 30, 2014 8:18 AM
To: Chacon, Alyson C
Cc: Warren, Leigh A; Wolfley, Clinton T; Skwarek, Raymond J; Husa, Susan
Subject: FW:

Alyson,

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I will get Steve Durfee's.

Thanks,

Leigh Anne Warren
Project Subcontract Representative
509-376-2614



Vapors SOW Rev
2.docx

contractor to the United States Department of Energy

From: Husa, Susan
Sent: Wednesday, April 30, 2014 7:57 AM
To: Warren, Leigh A
Subject:

Okay got the CACN

Susan

Contract Compliance Officer
Project Contract Management
509-372-9676

Contractor to the United States Department of Energy

Barnes, Nada

From: Husa, Susan
Sent: Wednesday, April 30, 2014 9:49 AM
To: Warren, Leigh A
Subject: RE:

Okay this is the version Ray is talking about.

Susan

From: Warren, Leigh A
Sent: Wednesday, April 30, 2014 8:36 AM
To: Husa, Susan
Cc: Warren, Leigh A
Subject: FW:

Susan,

Can I get the latest version. Sounds like I might not have that.

Leigh Anne

From: Skwarek, Raymond J
Sent: Wednesday, April 30, 2014 8:34 AM
To: Warren, Leigh A
Cc: Husa, Susan
Subject: RE:

This is not the latest version that susan and I worked. please see susan for the latest. Thanks.

Ray

From: Warren, Leigh A
Sent: Wednesday, April 30, 2014 8:33 AM
To: Skwarek, Raymond J
Cc: Husa, Susan
Subject: RE:

Here you go.

From: Skwarek, Raymond J
Sent: Wednesday, April 30, 2014 8:32 AM
To: Warren, Leigh A
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Subject: RE:

Can you pls send me the entire document? thanks. I am ready to sign.

Ray

From: Warren, Leigh A
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Cc: Warren, Leigh A; Wolfley, Clinton T; Skwarek, Raymond J; Husa, Susan
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Thanks,

Leigh Anne Warren
Project Subcontract Representative
509-376-2614



Vapors SOW Rev
2.docx

contractor to the United States Department of Energy

From: Husa, Susan
Sent: Wednesday, April 30, 2014 7:57 AM
To: Warren, Leigh A
Subject:

Okay got the CACN

Susan

Contract Compliance Officer
Project Contract Management
509-372-9676

Contractor to the United States Department of Energy

Barnes, Nada

From: Grimm, Nathan A
Sent: Thursday, May 01, 2014 2:48 PM
To: Husa, Susan
Cc: Burt, David L (Dave); Reisenauer, John F; Garrard, Mary M (Melissa); Warren, Leigh A
Subject: RE:
Attachments: 4061 SRNL Chemical Vapors Expert Panel IEWO FCE R0 2014 05 01 R1.xlsx

Revision documents the contract I got the SRNL indirect rates from.

NG

(b)(6)

Nathan A Grimm@rl.gov

Washington River Protection Solutions

contractor to the United States Department of Energy

From: Husa, Susan
Sent: Thursday, May 01, 2014 12:59 PM
To: Grimm, Nathan A
Cc: Burt, David L (Dave); Reisenauer, John F; Garrard, Mary M (Melissa); Warren, Leigh A
Subject: RE:

Nathan,

Looks great based upon the information we know at this point. Thank you very much for dropping everything and helping us out. I do appreciate it.

Cheers
Susan

Contract Compliance Officer
Project Contract Management
509-372-9676



Contractor to the United States Department of Energy

From: Grimm, Nathan A
Sent: Thursday, May 01, 2014 12:13 PM
To: Husa, Susan
Cc: Burt, David L (Dave); Reisenauer, John F; Garrard, Mary M (Melissa); Warren, Leigh A
Subject: RE:

Susan

See if this fits the bill for you. Let me know if you have any revisions that you would like made.

Thanks

NG

(b)(6)

Nathan A. Grimm@rl.gov

Washington River Protection Solutions

contractor to the United States Department of Energy

From: Husa, Susan

Sent: Wednesday, April 30, 2014 1:32 PM

To: Grimm, Nathan A

Subject:

Nathan,

I need a fair cost estimate done for the IEWO that we are putting in place for Savannah River National Labs. Everything I know at this point is included in the email message attached. We are thinking that it is reasonable to have a team of 6 consultants for a roughly 4 months pretty much full-time. Probably one trip out here. I have been just working on getting the IEWO going. I have been told that procurement requires a fair cost estimate.

Give me a call. We are expecting SRNL to prepare an assessment plan along with a schedule and estimate within 2 weeks of the award.

Susan

Contract Compliance Officer
Project Contract Management
509-372-9676



Contractor to the United States Department of Energy

Barnes, Nada

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Sent: Wednesday, April 30, 2014 8:18 AM
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Cc: Warren, Leigh A; Wolfley, Clinton T; Skwarek, Raymond J; Husa, Susan
Subject: FW:

Alyson,

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I will get Steve Durfee's.

Thanks,

Leigh Anne Warren
Project Subcontract Representative
509-376-2614



contractor to the United States Department of Energy

From: Husa, Susan

Sent: Wednesday, April 30, 2014 7:57 AM

To: Warren, Leigh A

Subject:

Okay got the CACN

Susan

Contract Compliance Officer

Project Contract Management

509-372-9676



Contractor to the United States Department of Energy

Barnes, Nada

From: Skwarek, Raymond J
Sent: Thursday, April 24, 2014 8:57 AM
To: McDonald, John A; Wolfley, Clinton T; Kennedy, Edward E
Cc: Husa, Susan
Subject: RE: bullet's of scope of vapors independent technical review team

Thanks!!

From: McDonald, John A
Sent: Thursday, April 24, 2014 8:56 AM
To: Skwarek, Raymond J; Wolfley, Clinton T; Kennedy, Edward E
Cc: Husa, Susan
Subject: RE: bullet's of scope of vapors independent technical review team

My thoughts below. I underlined the basic concept I think should be reviewed in each sentence. I built on what was provided.

From: Skwarek, Raymond J
Sent: Wednesday, April 23, 2014 5:02 PM
To: McDonald, John A; Wolfley, Clinton T; Kennedy, Edward E
Cc: Husa, Susan
Subject: bullet's of scope of vapors independent technical review team

Please provide your comments and thoughts by mid-morning tomorrow if possible. Thanks.

These are still draft and subject to change, so I would not distribute these out to others at this time.

Ray

Anticipated Areas of Vapors Evaluation

The scope of this evaluation will include the following factors:

(b)(5) Sept 2008 and Oct 2010 (b)(5)

(b)(5)

(b)(5) workers (b)(5)

(b)(5)

(b)(5)

(b)(5)

Barnes, Nada

From: McDonald, John A
Sent: Thursday, April 24, 2014 8:56 AM
To: Skwarek, Raymond J; Wolfley, Clinton T; Kennedy, Edward E
Cc: Husa, Susan
Subject: RE: bullet's of scope of vapors independent technical review team

My thoughts below. I underlined the basic concept I think should be reviewed in each sentence. I built on what was provided.

From: Skwarek, Raymond J
Sent: Wednesday, April 23, 2014 5:02 PM
To: McDonald, John A; Wolfley, Clinton T; Kennedy, Edward E
Cc: Husa, Susan
Subject: bullet's of scope of vapors independent technical review team

Please provide your comments and thoughts by mid-morning tomorrow if possible. Thanks.

These are still draft and subject to change, so I would not distribute these out to others at this time.

Ray

Anticipated Areas of Vapors Evaluation

The scope of this evaluation will include the following factors:

(b)(5) (Sept 2008 and Oct 2010) (b)(5)

(b)(5)

(b)(5) workers (b)(5)

(b)(5)

(b)(5)

Barnes, Nada

From: Skwarek, Raymond J
Sent: Thursday, May 01, 2014 4:42 PM
To: Husa, Susan
Subject: RE: IEWO SOW Changes

Changes will not come until tomorrow.

From: Husa, Susan
Sent: Thursday, May 01, 2014 2:41 PM
To: Skwarek, Raymond J
Subject: IEWO SOW Changes

Ray,

Leigh-Anne says that we need to get sign-offs again but she is going to do it via email to speed up the process. We are ready and waiting to make the changes.

Cheers
Susan

Contract Compliance Officer
Project Contract Management
509-372-9676



washington river
protection solutions

Contractor to the United States Department of Energy

Barnes, Nada

From: Sams, Terry L
Sent: Wednesday, May 07, 2014 11:31 AM
To: Warren, Leigh A; Chacon, Alyson C; Roberson, Dale L; Randles, Jason J; Miskho, Anthony G; Butler, J D (Dane); Wolfley, Clinton T; Thompson, Leo E
Cc: Shuford, David H (Dave); Husa, Susan
Subject: RE: IEWO SRNL Vapor SOW approval

I have reviewed the latest version and I concur with the changes.

Terry L. Sams, PMP

Manager, Process Engineering Analysis
WRPS Central Engineering
business: 509-376-4653

(b)(6) cell: 509-



**washingtonriver
protectionsolutions**

contractor to the United States Department of Energy

From: Warren, Leigh A
Sent: Wednesday, May 07, 2014 9:13 AM
To: Chacon, Alyson C; Roberson, Dale L; Randles, Jason J; Sams, Terry L; Miskho, Anthony G; Butler, J D (Dane); Wolfley, Clinton T; Thompson, Leo E
Cc: Shuford, David H (Dave); Husa, Susan
Subject: RE: IEWO SRNL Vapor SOW approval

Latest copy just in case you need to send e-mail concurrence.

Leigh Anne

From: Warren, Leigh A
Sent: Wednesday, May 07, 2014 9:08 AM
To: Chacon, Alyson C; Roberson, Dale L; Randles, Jason J; Sams, Terry L; Miskho, Anthony G; Butler, J D (Dane); Wolfley, Clinton T; Thompson, Leo E
Cc: Warren, Leigh A; Shuford, David H (Dave); Husa, Susan
Subject: IEWO SRNL Vapor SOW approval
Importance: High

All,

Changes have been made to the SOW for SRNL Vapor. These are comments from DOE/Kevin Smith. I need you to be able to approve this in Asset Suite when it comes to you or send me a e-mail concurrence. We want to get this back to DOE this afternoon. Routing order:

Alyson Chacon
Leigh Anne Warren
Dale Roberson

Jason Randles
Terry Sams for Dave Shuford (Engineering)
Tony Miskho
Dane Butler
Clint Wolfley
Leo Thompson

Thanks you once again for your help.

Leigh Anne Warren

Project Subcontract Representative
509-376-2614



washington river
protection solutions

contractor to the United States Department of Energy

Barnes, Nada

From: sharon.marra@srnl.doe.gov
Sent: Wednesday, May 14, 2014 8:26 AM
To: Skwarek, Raymond J
Cc: Husa, Susan
Subject: Re: IEWO Status

Thanks, Ray. I will get back out here again soon - need to figure out best time.

(b)(6)

Sent from my iPhone

> On May 14, 2014, at 8:22 AM, "Skwarek, Raymond J"

<Raymond_J_Skwarek@rl.gov> wrote:

>

> Thanks for the update.

>

> Sorry, Sharon, that we didn't catch up with each other yesterday. I

> was

busy, as I'm going to be out of the office for much of the next week or so, and I know you were tied up in the corporate board. I would have liked to spend a few minutes with you face to face, and I'm sure we'll get a chance to do that soon. thanks for the great support of you, bill, and SRNL on this review.

>

> Ray

>

>

> -----Original Message-----

> From: sharon.marra@srnl.doe.gov [<mailto:sharon.marra@srnl.doe.gov>]

> Sent: Wednesday, May 14, 2014 8:13 AM

> To: Skwarek, Raymond J

> Cc: Husa, Susan; Clark, Wyatt C; Simpson, Charles A

> Subject: Re: IEWO Status

>

>

> He told me yesterday he has what he needs and that we should expect to see funding in a day or do and if not to let him know. I have given our folks a heads up to look for it.

>

> Thanks.

>

> Sent from my iPhone

>

> On May 14, 2014, at 8:10 AM, "Skwarek, Raymond J"

<Raymond_J_Skwarek@rl.gov

> > wrote:

>

> I've heard that we are providing information to fletcher that will

support his approval of the \$1M. Is this your understanding? I'll be leaving the office shortly, as I have [REDACTED] (b)(6) scheduled for later this morning, but wanted to see if there is a path to getting the IEWO established working.

>

>

>

> Susan Husa is our lead on this. Please feel free to communicate

> directly

with her as I'll personally be "offline" for much of today.

>

>

>

> Ray

Barnes, Nada

From: Skwarek, Raymond J
Sent: Wednesday, May 14, 2014 8:22 AM
To: 'sharon.marra@srnl.doe.gov'
Cc: Husa, Susan
Subject: RE: IEWO Status

Thanks for the update.

Sorry, Sharon, that we didn't catch up with each other yesterday. I was busy, as I'm going to be out of the office for much of the next week or so, and I know you were tied up in the corporate board. I would have liked to spend a few minutes with you face to face, and I'm sure we'll get a chance to do that soon. thanks for the great support of you, bill, and SRNL on this review.

Ray

-----Original Message-----

From: sharon.marra@srnl.doe.gov [<mailto:sharon.marra@srnl.doe.gov>]
Sent: Wednesday, May 14, 2014 8:13 AM
To: Skwarek, Raymond J
Cc: Husa, Susan; Clark, Wyatt C; Simpson, Charles A
Subject: Re: IEWO Status

He told me yesterday he has what he needs and that we should expect to see funding in a day or do and if not to let him know. I have given our folks a heads up to look for it.

Thanks.

Sent from my iPhone

On May 14, 2014, at 8:10 AM, "Skwarek, Raymond J" <Raymond_J_Skwarek@rl.gov>
> wrote:

I've heard that we are providing information to fletcher that will support his approval of the \$1M. Is this your
(b)(6) understanding? I'll be leaving the office shortly, as I have [REDACTED] scheduled for later this morning, but wanted to
see if there is a path to getting the IEWO established working.

Susan Husa is our lead on this. Please feel free to communicate directly with her as I'll personally be "offline" for much of today.

Ray

Barnes, Nada

From: Skwarek, Raymond J
Sent: Tuesday, April 29, 2014 9:39 AM
To: bill.wilmarth@srnl.doe.gov
Cc: sharon.marra@srnl.doe.gov; Husa, Susan
Subject: Re: Important Question - Please Read

FOH stands for federal occupational health organization. I looked at their website, it's pretty impressive and they seem to have the expertise to perform this portion of the review.

Sent from my iPhone
Ray Skwarek

On Apr 28, 2014, at 8:33 AM, "bill.wilmarth@srnl.doe.gov" <bill.wilmarth@srnl.doe.gov> wrote:

This was discussed with the lab director and certainly has his views. What time would you like to talk?

From: "Skwarek, Raymond J" <Raymond_J_Skwarek@rl.gov>
To: "bill.wilmarth@srnl.doe.gov" <bill.wilmarth@srnl.doe.gov>, "sharon.marra@srnl.doe.gov" <sharon.marra@srnl.doe.gov>,
Cc: "Husa, Susan" <Susan_Husa@rl.gov>
Date: 04/28/2014 11:00 AM
Subject: FW: Important Question - Please Read

Bill and Sharon:

Please note below. There is an interest from DOE-RL to conducting the occupational medical provider review as part of the review being done by SRNL. Bill, you may recall when we first spoke, there were two ways this portion of the review could be done, 1.) as part of the SRNL review, or 2.) as a separate review. An initial decision was made to keep it as a separate review, and the scope and press release documents that were prepared last week reflected that, in that the medical provider scope was not included in any of the information developed.

Over the weekend, it appears that DOE here is now interested in performing a single review, and therefore including the medical provider scope into the SRNL review, so we have one comprehensive review. If you read below, an organization called FOH (Federal Occupational Health) was going to perform the medical provider review for DOE-RL later this year. SRNL is welcomed to use this organization to assist in this portion of the review, if you desire. You can secure other expertise as well. This is your decision to make, there is no direction to you to use this organization.

Are you OK with including this scope? Any issues we need to deal with over and above those stated by Dave Olson below? We are looking at how to handle the contract issues between ORP and RL sides of DOE.

Ray

From: Olson, Dave
Sent: Saturday, April 26, 2014 6:48 PM
To: Skwarek, Raymond J
Cc: Holloway, Jerry N

(b)(5)

Subject: Fwd: Important Question - Please Read

Let's discuss on Monday morning. We will need to stay clean on scope and contract, as well as figuring out how to cover this piece which was not on the press release of agreed to by SRNL. We will need resolution before Tuesday night.

Sent from my iPhone

Begin forwarded message:

From: "Dowell, Jonathan A" <Jonathan_A_Dowell@orp.doe.gov>

Date: April 26, 2014 at 6:19:40 PM PDT

To: "Smith, Kevin W (ORP)" <Kevin_W_Smith@orp.doe.gov>

Cc: "Olds, Theodore E (Erik)" <Theodore_E_Erik_Olds@orp.doe.gov>, "Harkins, Brian A" <Brian_A_Harkins@orp.doe.gov>, "Olson, Dave" <Dave_Olson@rl.gov>, Jonathan Dowell <jdsbman@yahoo.com>

Subject: Fwd: Important Question - Please Read

(b)(5) Kevin - [redacted] I believe we should be able [redacted] (b)(5)

(b)(5) [redacted] JD

Begin forwarded message:

From: "Shoop, Doug S" <doug.shoop@rl.doe.gov>

Date: April 26, 2014 at 1:04:29 PM PDT

To: "Flynn, Karen L" <karen.flynn@rl.doe.gov>, "Dowell, Jonathan A" <Jonathan_A_Dowell@orp.doe.gov>

Subject: Re: Important Question - Please Read

(b)(5) Karen, I have discussed with JD and we have concluded that the [redacted]

(b)(5) [redacted]

(b)(5) [redacted]

Understanding you are on travel next week, could you please provide JD the [redacted] (b)(5)

(b)(5) [redacted]

Please don't hesitate to let me know if you have any questions or concerns.

Thank you

Doug

Sent from my iPad

On Apr 26, 2014, at 11:00 AM, "Shoop, Doug S" <doug.shoop@rl.doe.gov> wrote:

(b)(5) Thanks Karen [redacted]

(b)(5)

[Redacted]

Thanks
Doug

Sent from my iPad

On Apr 26, 2014, at 10:51 AM, "Flynn, Karen L" <karen.flynn@rl.doe.gov> wrote:

(b)(5)

[Redacted]

Sent from my iPad

On Apr 26, 2014, at 12:32 PM, "Shoop, Doug S" <doug.shoop@rl.doe.gov> wrote:

(b)(5)

Thanks Karen

[Redacted]

(b)(5)

[Redacted]

Thanks
Doug

Sent from my iPad

On Apr 26, 2014, at 10:28 AM, "Flynn, Karen L" <karen.flynn@rl.doe.gov> wrote:

Doug,

(b)(5)

What I know is that

[Redacted]

[Redacted]

Sent from my iPad

On Apr 26, 2014, at 9:16 AM, "Shoop, Doug S" <doug.shoop@rl.doe.gov> wrote:

(b)(5)

Karen, do you know why the

[Redacted]

(b)(5)

[Redacted]

(b)(5)

Thank you
Doug

Sent from my iPad

Begin forwarded message:

From: "Lutz, Karen" <karen.lutz@rl.doe.gov<<mailto:karen.lutz@rl.doe.gov>>>
Date: April 25, 2014 at 3:39:06 PM PDT
To: "Shoop, Doug S" <doug.shoop@rl.doe.gov<<mailto:doug.shoop@rl.doe.gov>>>, "Flynn, Karen L" <karen.flynn@rl.doe.gov<<mailto:karen.flynn@rl.doe.gov>>>
Cc: "Hardy, Cameron M" <cameron.hardy@rl.doe.gov<<mailto:cameron.hardy@rl.doe.gov>>>
Subject: Fwd: Savannah River National Laboratory to Lead Independent Expert Review of Chemical Vapors and Worker Protection at Tank Farms

(b)(5)

FYI - Karen, checking to see if you were able to find out about

Thanks, Karen
Sent from my iPad

Begin forwarded message:

From: ^ORP Office of Communications
<ORP_Office_of_Communications@rl.gov<mailto:ORP_Office_of_Communications@rl.gov>>
Date: April 25, 2014 at 3:25:09 PM PDT
Subject: Savannah River National Laboratory to Lead Independent Expert Review of Chemical Vapors and Worker Protection at Tank Farms

ANNOUNCEMENT

Department of Energy

ORP No.: 14-048

Office of River Protection

P.O. Box 450

Richland, Washington 99352

Issued: 4-25-2014

To:

All ORP Employees and Support Staff

Subject:

Savannah River National Laboratory to Lead Independent Expert Review of Chemical Vapors and Worker Protection at Tank Farms

Today, the Savannah River National Laboratory (SRNL) announced they will oversee a panel of independent experts reviewing Washington River Protection Solutions LLC (WRPS) management of the chemical vapors program. The Office of River Protection (ORP) encouraged WRPS to explore a wide range of alternatives to help resolve the tank vapor concerns at the Hanford site. The objective of the independent panel is to make recommendations to further protect workers in the tank farms. WRPS is focused on expeditiously moving forward with this initiative designed to complement a wide range of actions to minimize worker exposure. ORP supports the decision to have the review led by SRNL, a national laboratory with the resources needed to assemble a group of credible experts to conduct this review and make independent recommendations. The press release from SRNL is attached.

[attachment "smime.p7m" deleted by Bill Wilmarth/SRNL/Srs] [attachment "ATT00001.htm" deleted by Bill Wilmarth/SRNL/Srs]

Barnes, Nada

From: Skwarek, Raymond J
Sent: Wednesday, April 23, 2014 8:27 AM
To: Simpson, Charles A; Olson, Dave; Thomas, Brian R
Cc: Clark, Wyatt C; Basche, Amy D; Holloway, Jerry N; Husa, Susan
Subject: RE: Independent Expert Review of Vapors

Charles, thanks for your support on this and your email.

The approach and direction for the review has morphed over the past day. The review is not going to be conducted (b)(4)(b)(5) and the HPMC related element of the review is being eliminated. We are going to request that RL sponsor and conduct their own study regarding the medical provider and workers comp aspects.

Susan and I have already talked once about this yesterday, albeit the old approach was still the plan. I'm pleased to have her support. I'll work with her today regarding the new approach. It would still be good to have an advance understanding of allowability. It should not be a problem as other independent technical reviews are normally allowable.

I don't have the documents or records, but having been involved with the (b)(4)(b)(5) case, I am confident that it cost (b)(4)(b)(5) good bit more than \$50K. I expect that with the new approach, it also will be more than \$50K. The new approach will involve additional experts on the team than the two that were involved previously with (b)(4)(b)(5) case. The new (b)(4)(b)(5) approach involves SRNL managing the review, and their rates are up there, as are all national lab's.

Ray

-----Original Message-----

From: Simpson, Charles A
Sent: Wednesday, April 23, 2014 7:27 AM
To: Olson, Dave; Thomas, Brian R
Cc: Clark, Wyatt C; Basche, Amy D; Skwarek, Raymond J; Holloway, Jerry N; Husa, Susan
Subject: RE: Independent Expert Review of Vapors

Ray,

For information as we move forward on the SOW, we met with the ORP CO and Brian Harkins on Monday with the intent of establishing an advance agreement on the allowability of costs associated with the independent expert review. We reviewed the draft SOW as provided in the attached email, and the initial unofficial assessment was that elements of any SOW that related to medical records management and medical treatment would need to be handled through the HPMC contract and would likely not be allocable under the TOC. Wade is coordinating with DOE legal before returning an answer to us on advance agreement on allowability. Lack of a response does not make costs unallowable but does introduce downstream risk. The last time such a study was conducted in 2010 through (b)(4)(b)(5) it appeared that the (b)(4)(b)(5) amount spent was about \$50K (which seems low to me, but data on (b)(4)(b)(5) reimbursements isn't the most detailed), (b)(4)(b)(5) so that risk is probably acceptable - especially now that we are conducting the review through the ESH&Q program and will have more internal controls on what areas are investigated (i.e., allocable under the contract), and how much is spent (i.e., reasonableness of cost incurred).

Susan Husa is available to support review and input on a SOW as we move forward. She is already fully engaged in the topic and participated in the initial discussion with Wade and Brian.

Charles Simpson

Contracts Manager
(509) 372-0274 (desk)

(b)(7)(D) [redacted] (cell)

Washington River Protection Solutions
Contractor to the United States Department of Energy

-----Original Message-----

From: Olson, Dave

Sent: Wednesday, April 23, 2014 6:03 AM

To: Thomas, Brian R

Cc: Clark, Wyatt C; Basche, Amy D; Simpson, Charles A; Skwarek, Raymond J; Holloway, Jerry N

Subject: Independent Expert Review of Vapors

Please have John work with Ray today to get the subcontract in place with SRNL to perform an independent expert review of our chemical vapor management program. Ray has the details we would like it to officially start next Monday. We discussed with them last night and they have a leader ready to go. Ray has a first pass at a statement if work. ORP is fully on board. The funds and budget would come out of ESHQ programs.

- Dave Olson

Barnes, Nada

From: Skwarek, Raymond J
Sent: Thursday, May 01, 2014 9:11 AM
To: Husa, Susan
Subject: RE: Noncompetitive procurement justification

Thanks.

Ray

From: Husa, Susan
Sent: Thursday, May 01, 2014 8:23 AM
To: Skwarek, Raymond J
Cc: English, Maureen D
Subject: RE: Noncompetitive procurement justification

Okay the document has been given to ORP. ORP understands the situation and will work on push it through their system by the end of today. If they can do that it would be amazing but clearly it is moving.

Susan

From: Skwarek, Raymond J
Sent: Thursday, May 01, 2014 8:01 AM
To: Husa, Susan
Cc: English, Maureen D
Subject: RE: Noncompetitive procurement justification

It's signed and here in my office. I'd like to get this out of WRPS and into ORP's hands today, as soon as possible. When do you think that can happen? Thanks.

Ray

From: Husa, Susan
Sent: Wednesday, April 30, 2014 2:50 PM
To: Skwarek, Raymond J
Cc: Warren, Leigh A
Subject: FW: Noncompetitive procurement justification

Ray,

Please print off and sign the attached PDF as my manager. This was another step that is required for increasing the dollar amount. The fair cost estimate is underway too.

Susan

From: Husa, Susan
Sent: Wednesday, April 30, 2014 2:20 PM
To: Warren, Leigh A
Subject: Noncompetitive procurement justification

Here you are.

Contract Compliance Officer
Project Contract Management
509-372-9676

<< File: Non competitive procurement justification.pdf >>
Contractor to the United States Department of Energy

Barnes, Nada

From: Husa, Susan
Sent: Thursday, May 01, 2014 8:18 AM
To: Skwarek, Raymond J
Cc: English, Maureen D
Subject: RE: Noncompetitive procurement justification

Ray,

It will. It is already to go. I got an okay from procurement to proceed without the fair cost estimate completed with the understanding that the estimator will finish it. The IEWO will be delivered to the ORP project controls analyst as soon as she gets out of a meeting. We were reluctant to just leave it on her chair. I had called her at the beginning of this process so she is prepared and has been waiting.

Susan

From: Skwarek, Raymond J
Sent: Thursday, May 01, 2014 8:01 AM
To: Husa, Susan
Cc: English, Maureen D
Subject: RE: Noncompetitive procurement justification

It's signed and here in my office. I'd like to get this out of WRPS and into ORP's hands today, as soon as possible. When do you think that can happen? Thanks.

Ray

From: Husa, Susan
Sent: Wednesday, April 30, 2014 2:50 PM
To: Skwarek, Raymond J
Cc: Warren, Leigh A
Subject: FW: Noncompetitive procurement justification

Ray,

Please print off and sign the attached PDF as my manager. This was another step that is required for increasing the dollar amount. The fair cost estimate is underway too.

Susan

From: Husa, Susan
Sent: Wednesday, April 30, 2014 2:20 PM

To: Warren, Leigh A

Subject: Noncompetitive procurement justification

Here you are.

Contract Compliance Officer
Project Contract Management
509-372-9676

<< File: Non competitive procurement justification.pdf >>
Contractor to the United States Department of Energy

Barnes, Nada

From: bill.wilmarth@srnl.doe.gov
Sent: Saturday, April 26, 2014 5:22 PM
To: Skwarek, Raymond J
Cc: sharon.marra@srnl.doe.gov; Husa, Susan
Subject: Re: Review scope bullets

Beside the cultural aspects that I am sure have been fed back. I am ok with this.

Sent from my iPad

On Apr 24, 2014, at 5:29 PM, "Skwarek, Raymond J" <Raymond_J_Skwarek@rl.gov> wrote:

Bill, attached is a updated version of the scope statements. It's still a draft, and we welcome any comments you wish to offer, or questions you may have to clarify. This version is pretty similar to the original version, but has a few additional items.

Thx,

Ray

<SRNL Vapors Review DRAFT2.docx>

Barnes, Nada

From: Skwarek, Raymond J
Sent: Wednesday, April 30, 2014 1:20 PM
To: Warren, Leigh A; Chacon, Alyson C; Wolfley, Clinton T; Durfee, Steven R
Cc: Husa, Susan; Wagar, Benjamin A
Subject: RE: revised IEWO request form

I approve. Do I need to sign again? thanks.

Ray

From: Warren, Leigh A
Sent: Wednesday, April 30, 2014 11:21 AM
To: Chacon, Alyson C; Skwarek, Raymond J; Wolfley, Clinton T; Durfee, Steven R
Cc: Warren, Leigh A; Husa, Susan; Wagar, Benjamin A
Subject: revised IEWO request form

Alyson,

Here is the revised IEWO request form for 1M. Can you please obtain signature again on this.

Thank you,

Leigh Anne Warren

Project Subcontract Representative
509-376-2614



contractor to the United States Department of Energy

Barnes, Nada

From: Skwarek, Raymond J
Sent: Thursday, April 24, 2014 12:59 PM
To: Husa, Susan
Subject: RE: Revised scope with comments

Follow Up Flag: Follow up
Flag Status: Flagged

It was nearly impossible for me to take (b)(6) input, some of which was good, and integrate it as an amendment to the existing list we had. It was causing all sorts of duplication and confusion.

(b)(6) and I didn't want to include everything provided, such as "interview workers". That's not a scope, that's a how. also don't want this high powered team to review our work control program, that's not their strength. Feel free to try to clean my version up further if it's confusing, but I am not attempting to capture all of (b)(6) or items. (b)(6)

Anyway, I did the best I could and asked mo to clean up the formatting for us.

Ray

From: Husa, Susan
Sent: Thursday, April 24, 2014 12:29 PM
To: Skwarek, Raymond J
Subject: RE: Revised scope with comments

Sounds good.

From: Skwarek, Raymond J
Sent: Thursday, April 24, 2014 12:07 PM
To: Husa, Susan
Subject: RE: Revised scope with comments

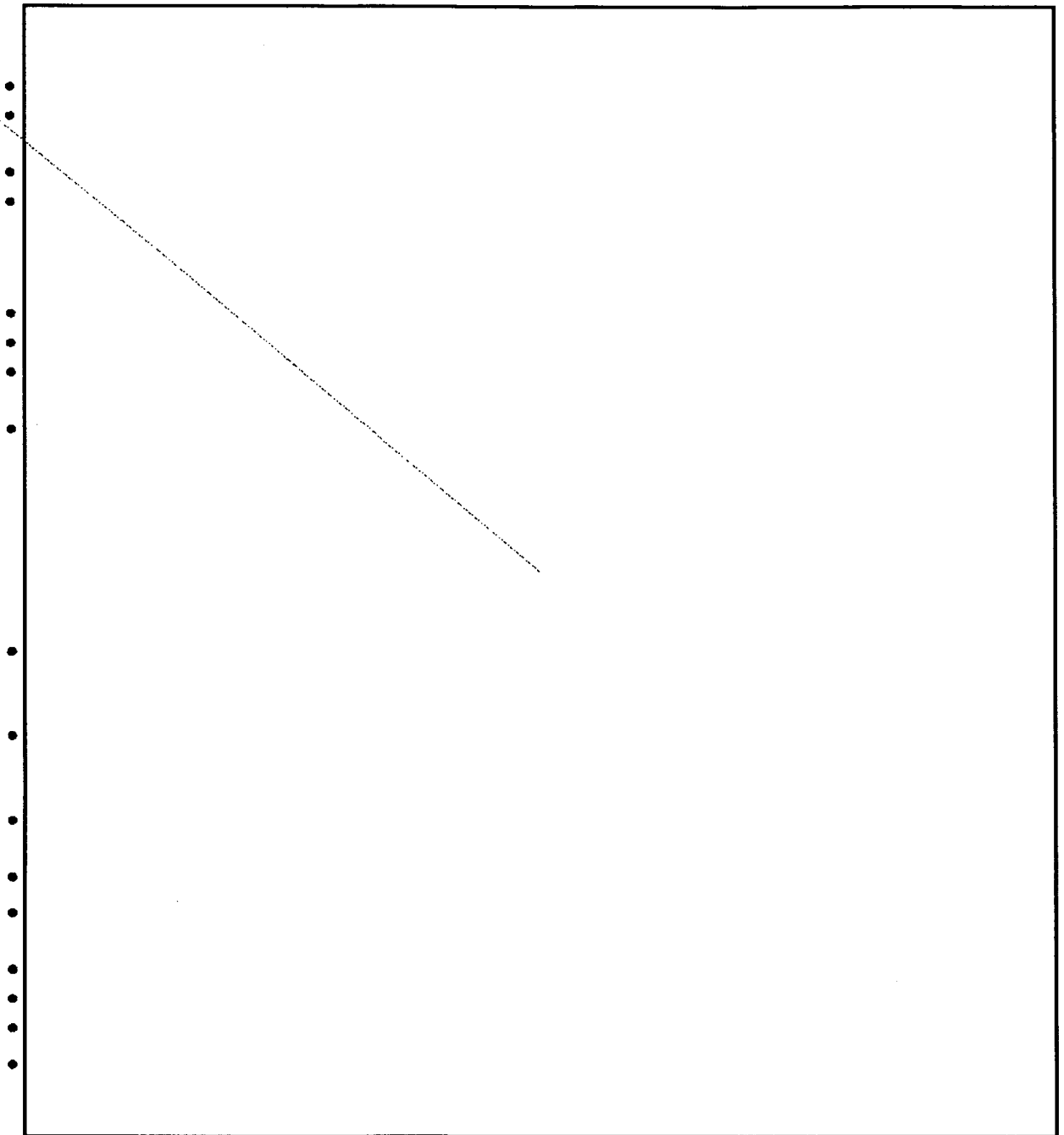
Let me work on this right now. I'm not fully comfortable with it. Will get back to you shortly.

From: Husa, Susan
Sent: Thursday, April 24, 2014 11:57 AM
To: Skwarek, Raymond J
Subject: Revised scope with comments

The contractor (SRNL) will lead an Independent Technical Review Team to evaluate the chemical vapors and odors at the Tank Farms. This evaluation will consider the following factors

- (b)(5) • [redacted] (Sept 2008 and Oct 2010) [redacted] (b)(5)
- (b)(5) • [redacted]
- (b)(5) • [redacted] workers [redacted]
- (b)(5) • [redacted]
- (b)(5) • [redacted]

(b)(5)



Contract Compliance Officer
Project Contract Management
509-372-9676



washington river
protection solutions

Contractor to the United States Department of Energy

Barnes, Nada

From: Skwarek, Raymond J
Sent: Monday, April 28, 2014 2:50 PM
To: Husa, Susan
Subject: Re: Savannah River National Laboratory asked to lead independent expert review of chemical vapors and worker protection at DOE's Hanford waste tanks

Yes for sure they will.

Sent from my iPhone
Ray Skwarek

On Apr 28, 2014, at 2:12 PM, "Husa, Susan" <Susan_Husa@rl.gov> wrote:

Ray,
I am thinking that SRNL will have to go out on site at some point to conduct their evaluation. Am I thinking correctly?

Susan

From: Skwarek, Raymond J
Sent: Monday, April 28, 2014 11:49 AM
To: bill.wilmarth@srnl.doe.gov
Cc: Husa, Susan; sharon.marra@srnl.doe.gov
Subject: FW: Savannah River National Laboratory asked to lead independent expert review of chemical vapors and worker protection at DOE's Hanford waste tanks

Bill:

Here is the final press release. The safety culture related scope and wording is removed.

Ray

From: Holloway, Jerry N
Sent: Friday, April 25, 2014 3:21 PM
To: Olson, Dave; Clark, Wyatt C; Kennedy, Edward E; Parkhurst, George A; Page, Rosalyn S; McDonald, John A; Basche, Amy D; Smith, Donald K (Kent); Burrows, Christopher; Johnson, Gloria J; Thomas, Brian R; Wilkinson, Robert E; Gregory, Robert E (Rob); Little, David B; Skwarek, Raymond J; Greenwell, Roland D; Wolfley, Clinton T; Robinson, John M

Subject: Savannah River National Laboratory asked to lead independent expert review of chemical vapors and worker protection at DOE's Hanford waste tanks

Jerry Holloway
External Affairs Manager
Washington River Protection Solutions,
contractor to the United States Department of Energy
509.372.9953

Barnes, Nada

From: Skwarek, Raymond J
Sent: Tuesday, April 29, 2014 7:34 PM
To: Greenwell, Roland D
Cc: Husa, Susan; McDonald, John A
Subject: Re: Scope revision

HPMC was always OK with it. That wasn't the issue. SRNL does not want to include that portion of the scope in their review. So it is not included.

Sent from my iPhone
Ray Skwarek

On Apr 29, 2014, at 5:19 PM, "Greenwell, Roland D" <Roland_D.Greenwell@rl.gov> wrote:

Ray,

Ray,

Dave mentioned to me that HPMC agreed to be included as a subject of the external review. I may have missed it, but is that incorporated in this SOW? I think it will be very beneficial to have their function in vapor exposure management reviewed.

Otherwise, I agree with the scope statement.

Doug Greenwell

Manager, Continuous Improvement
Strategic Planning and Technology Group

Washington River Protection Solutions

2420 Stevens, Room 170

Richland, WA 99352

Office: 509-376-2504

(b)(6) Cell: 509-

Contractor to the United States

From: Skwarek, Raymond J

Sent: Tuesday, April 29, 2014 11:27 AM

To: Greenwell, Roland D; McDonald, John A

Cc: Husa, Susan

Subject: FW: Scope revision

I incorporated your comments from your prior responses as I thought appropriate. I added number of them, but also found some to be too detailed, and some were more like a comment, not a scope definition. Thanks for your help.

Here's what we have now. Note that the safety culture was removed from the scope. That will be the biggest change you see.

This is getting closer the last chance you may have to influence the scope, so please review and offer specific changes or additions by COB today. Please note that I don't want to get into much more depth. I want to allow the independent SRNL team leeway in what they look at and how they do it. Is there anything big that I've overlooked? This has been sent to SRNL as a draft.

Thx

Ray

From: Husa, Susan

Sent: Tuesday, April 29, 2014 9:11 AM

To: Skwarek, Raymond J

Subject: Scope revision

Here you are.

Susan

Contract Compliance Officer

Project Contract Management

509-372-9676

Contractor to the United States Department of Energy

Barnes, Nada

From: Husa, Susan
Sent: Monday, April 28, 2014 4:34 PM
To: Randles, Jason J; Roberson, Dale L
Subject: RE: SOW

Okay this is better but as I said I do not have a good idea as to how it will be orchestrated yet.

From: Husa, Susan
Sent: Monday, April 28, 2014 4:22 PM
To: Randles, Jason J; Roberson, Dale L
Subject: SOW

Dale and Jason,

Could you please take a look at this SOW. It is not finalized yet but before I send it back to Ray I wish to make sure I did not include anything too stupid. I k now they will be going out on site so it will be more than a paper study but I do not know how much more.

I just asked him to let me know a little about how they intend to operate. I don't know yet.

Thank you
Susan

Contract Compliance Officer
Project Contract Management
509-372-9676



Vapors SOW.docx

Contractor to the United States Department of Energy

Barnes, Nada

From: Warren, Leigh A
Sent: Monday, May 05, 2014 2:30 PM
To: Husa, Susan
Subject: RE: SOW amendments for Vapors Study

Sounds good.

From: Husa, Susan
Sent: Monday, May 05, 2014 2:24 PM
To: Warren, Leigh A
Subject: FW: SOW amendments for Vapors Study

Leigh-Anne

I spoke with Ray to see how we could handle the edits on the Vapors SOW. As you can see he requested that Fletcher and Harkins copy me just in case it is tomorrow when we get ORP's edits. Once we get a copy then Paul will be filling in for Ray which is why he is on this email. He said that he did not need to see the SOW again once ORP has finalized the document.

So, if we are going to leave on track changes in the document it just means that we have to load it up into Asset Suites and get it routed. As you can see Ray has committed that we would do our best to have it back at ORP the same day.

Thank you for your help
Cheers
Susan

From: Skwarek, Raymond J
Sent: Monday, May 05, 2014 12:57 PM
To: Fletcher, Thomas W; Harkins, Brian A
Cc: Husa, Susan; English, Maureen D; Rutland, Paul L
Subject: SOW amendments for Vapors Study

Tom and Brian:

When you get the final ORP mark-ups on the vapors review statement of work, can you please send it to me as well as Susan Husa, who is cc'ed on this email? I will be off on business travel tomorrow with intermittent access to my e-mails. If you cc Susan, she will ensure it goes through the WRPS review/approval process, and back up to ORP, as soon as possible. We'll likely have same day turnaround.

Thx, guys.

Ray

Barnes, Nada

From: Warren, Leigh A
Sent: Thursday, May 01, 2014 8:22 AM
To: Wagar, Benjamin A
Cc: Husa, Susan
Subject: RE: SRNL IEWO

Thank you Ben. I will let you know once everything is in Asset Suite.

From: Wagar, Benjamin A
Sent: Thursday, May 01, 2014 8:20 AM
To: Husa, Susan; Warren, Leigh A
Subject: RE: SRNL IEWO

Hi Susan and Leigh Anne,

I just passed off the paperwork to OPR. They know it is a rush and are going to try and have it pushed through the system by the end of today.

Thank you,

Ben

From: Husa, Susan
Sent: Thursday, May 01, 2014 8:19 AM
To: Warren, Leigh A
Cc: Wagar, Benjamin A
Subject: FW: SRNL IEWO

Leigh-Anne,

Received this note and talked to John last night. The estimator Nathan Grimm will have the estimate done today too.

Cheers
Susan

From: Robinson, John M
Sent: Wednesday, April 30, 2014 7:16 PM
To: Husa, Susan
Subject: SRNL IEWO

Susan, I received your message this evening. Please go ahead and process through Steve Durfee. Under the safety concerns raised it makes sense to proceed and catch up with the paperwork.

Barnes, Nada

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Requirements Package Checklist for Inter-Entity Work Orders (IEWO)
"X" indicates item is mandatory with all requirement packages for IEWO actions

IEWO Number: MOSRV00115 _____ IEWO Revision & Date: 0 05/14/2014

IEWO Title: Technical Peer Review Assessment for Vapors Evaluation (SRNL) _____

RP Initiator: Brian Harkins

Y N/A

- x 1. DOE Inter-Entity Work Order Form: Available on the Office of River Protection Intranet page under ORP Requirements and Package Forms
- x 2. Statement of Work and/or Performance Objectives: Required for all new IEWOs and modifications thereto which change the Statement of Work or the Performance Objectives
- x 3. Cost Estimate: Should be obtained from performing contractor
- x 4. A description of deliverables and schedule
- x 5. Government Furnished Property (GFP) List: Include nomenclature, DOE Barcode #, make, model, serial number, acquisition cost, and date of acquisition (if known). Indicate whether GFP is to be used on Government installation or removed to another location
- x 6. Environmental, Safety and Health requirements
- x 7. Security Clearances required
- x 8. Quality Level (QL) of Work to be Performed:

QUALITY AFFECTING, QL-1

(Required for all new IEWOs and modifications thereto that change the Statement of Work or the Performance Objectives)

QL of ORP Project Work*:

QL-1: _____

QL-2: _____

Excluded Work Activities: NA

(* Refer to ORP IP TRS QSH IP 10 for definitions of Quality Level 1, Quality Level 2, and Excluded Work Activities)

QA Approval: JEFFREY D. MAY

Printed Name/Signature

5/22/2014

Date

**U.S. Department of Energy
INTER-ENTITY WORK ORDER**

1. Work Order Number: MOSRV00115 Amendment Number: 0	2. Month/Year to be recorded: <i>(for use in DOE-DOE work only)</i> May-14	
Authorizer		
3. Authorizing Contractor or Field Office: DOE-Richland Operations Office (Office of River Protection)		
4. Authorizing Contractor or Field Office OPI Code: RI.90	5. Allotment Symbol: RI.9191	
6. Budget Analyst: Phil Dailey Telephone: 509 376-2050 E-Mail: philip.dailey@rl.doe.gov		
7. ORP Technical Point of Contact Signature: Brian Harkins <i>Brian G. Harkins</i> Date: 5/22/14		
8. Authorizing Tank Farms Program Signature: Tom Fletcher <i>Tom Fletcher</i> Date: 5/20/14		
9. Funds Availability Authorization Official's Signature: Phil Dailey Date:		
10. Authorizing Contracting Officer Signature: (Required for IFWO >\$1M life of project) Marc McCusker Date:		
11. Scope of Work (attach additional sheets if needed): Technical Review for Vapors Evaluation (SRNL) The contractor (SRNL) will lead an Independent Technical Review Team to evaluate the chemical vapors and odors at the Tank Farms. The team will review the current WRPS program and provide recommendations and identify further enhancements to WRPS programs and practices to eliminate or minimize worker exposures. See attached Statement of Work. 5/14/2014 - Providing \$1,000,000 of funding for develop and assessment plan within next weeks which will include: 1). Approach for conducting the assessment; 2). Team members and their qualifications; 3). Listing of the information required to perform the assessment; 4). Schedule (including site visits) 5). Cost estimate.		
12. Period of Performance: 5/01/2014 - 09/30/2014		
13. Billing and Budgetary Information: Address: "Accounts Payable - Work will be billed via VIPERS, with reference to Work Order Number" Funding titles: Fund Type,Appo Year,Allottee,Rpt Entity,Obj Cls,Program,Project,WFO,Local Use,Future Use Funding Source: 01250.2014.34.421301.25422.1110909.0001481.0000000.0000000.0000000		
Authority	Current Year	Cumulative
Previous Total	\$ -	\$ 0.00
Current Action	\$ 1,000,000.00	\$ 1,000,000.00
Revised Total	\$ 1,000,000.00	\$ 1,000,000.00
Performer		
14. Performing Contractor: Savannah River Nuclear Solutions, LLC		
15. Performing Contractor OPI Code: SR100	16.	
17. Cognizant Contracting Officer: Matthew Biasiny Telephone: 803-952-8648 Fax 803-952-7357 E-Mail: Matthew.Biasiny@SRS.gov		
18. Performer's Funds Availability Authorization Official's Signature: Date:		
19. Performer's Cognizant Contracting Officer Signature: (Required for IFWOs > \$1M life of project) Date:		

**WASHINGTON RIVER PROTECTION SOLUTIONS
DOE INTER-ENTITY WORK ORDER (IEWO) REQUEST**

IEWO NUMBER: (to be assigned by DOE) _____

IEWO SCOPE / TITLE: Independent Expert Panel Study on Chemical Vapors at the Tank Farms

NATIONAL LAB: Savannah River National Laboratory

FIELD OFFICE: DOE-Richland Operations Office (Office of River Protection)

PERIOD OF PERFORMANCE: May 1, 2014 - Sept 30, 2014

THIS FUNDING AUTHORIZATION \$ 1,000,000.00

PRIOR AUTHORIZATIONS \$ _____

TOTAL FUNDS AUTHORIZED \$ 1,000,000.00

Fund Type ☐ Base ☐ TD&D

Baseline and Funds Control:

Is the Budget for this scope included in the Approved Baseline? YES

If No, state why and/or state what authorizing document / BCR includes IEWO scope:

RPP-14-135 includes this scope

Work Breakdown Structure (WBS) Number: 5.1.5.2.9.16

Control Account Charge Number: 201792

Resource Code Where Budget Planned (21, 39M, etc.): 21

SIGNATURES

		DATE
Budget Analyst:	Alyson Chacor	
	Print Name	Signature
	<i>Alyson Chacor</i>	<u>4/30/14</u>
Cost Account Manager:	Clint Wolfley	
	Print Name	Signature
	<i>Clint Wolfley</i>	<u>4/30/14</u>
WRPS Technical POC:	Ray Skwarek	
	Print Name	Signature
	<i>Ray Skwarek</i>	<u>4/30/14</u>
PPM&A Manager:	Steve Durfee	
	Print Name	Signature
	<i>Steve Durfee</i>	<u>4/30/14</u>

A-6004 581 (REV 4)

STATEMENT OF WORK

Requisition #: 267157

Title: Technical Review for Vapors Evaluation (SRNL)

Revision Number: 2

Date: May, 20 2014

Prior SOW or Revision Date: May 20, 2014

1.0 Objective:

Washington River Protection Solutions (WRPS) requires the services of Savannah River National Laboratory (SRNL) to establish and oversee a team of subject matter experts to examine hazardous chemical vapors management and related worker protection measures at the U.S. Department of Energy's Tank Farms and recommend actions to eliminate or mitigate vapor exposure levels.

2.0 Background/Introduction:

WRPS is evaluating the Tank Farms for chemical vapors as a result of recent incidents that have occurred with chemical vapors and odors. More than two dozen tank farm workers recently received medical attention during a short time span this spring following potential low level exposures to vapors emanating from the waste storage tanks. Vapor impacts to the workforce are not new and there has been an average of about 5 employees per month being affected by vapors requiring a medical assessment. While most worker affects have been short term in nature and have been rapidly returned to work, there is still considerable concern about short and long term potential affects. Hence WRPS has requested that this new study have an enhanced scope for analysis and recommendation beyond that of the two previous technical reviews of Hanford tank waste vapor policies and issues in 2008 and 2010.

3.0 Scope:

The contractor (SRNL) will lead a Technical Review Team to evaluate the chemical vapors and odors at the Tank Farms. The team will review the current WRPS program and provide recommendations and identify further enhancements to WRPS programs and practices to eliminate or minimize worker exposures. The review should include, but not be limited to a:

- Potential for engineered controls or equipment to further reduce the potential for worker exposure to vapors and reduce risk
- WRPS Industrial Hygiene program and related procedures
- Technical basis for monitoring and controlling Tank Farms vapors
- Implementation and effectiveness of prior vapor affects and their recommendations (Sept 2008 and Oct 2010)
- IH instrumentation usage and data analysis usage
- Workforce communications of chemical hazards, IH program sampling results, and vapor events
- Current policies and practices associated with Tank Farm vapors

- Worker protections, preventative measures, and responses to vapor exposures
- Consideration of immediate and potential chronic and/or latent health effects of Tank Farm vapor exposures
- New technology for monitoring, preventing and responding to chemical vapor releases
- Chemical vapor data collection including technical basis and sampling methodology
- Interviewing current and former workers about their concerns about vapor exposure
- Interviewing current and former workers about working conditions, vapor exposures, and event response actions
- Potentially interviewing or acquiring inputs from the public and/or former tank farm workers
- Tank Farm vapors program in regards to 10 CFR 851

4.0 Deliverables:

The contractor (SRNI.) shall submit a project plan within two weeks of the start date. This plan should include the following information: 1). Approach for conducting the project ; 2). Team members and their qualifications; 3). Listing of the information required to perform the project; 4) Schedule (including site visits) and 5). Cost estimate. The final report with recommendations for improvement of the chemical vapors target date for completion is September 30, 2014. A draft report shall be submitted for factual accuracy review no later than two weeks prior the submittal of the final report assuming an end date of September 30, 2014 or September 16, 2014. In addition, the review team should be prepared to makes a presentation (s) to WRPS senior management, ORP and to the WRPS employees.

5.0 Acceptance Criteria:

Acceptance shall be based on validation by the WRPS POC that the contractor has provided requested input.

The project plan and report must meet established applicable WRPS procedures for control and review of work products identified in Section 6.1 below. Acceptance shall be based on validation by the WRPS POC that the contractor has addressed all reviewer comments.

6.0 Configuration Management and Standards

6.1 Configuration Management Requirements:

New or revised Technical Documents shall be prepared in accordance with TFC-BSM-AD-STD-02, Editorial Standards for Technical Documents and meet the document release criteria found in Table 3 of TFC-ENG-DESIGN-C-25, Technical Document Control.

6.2 Applicable Standards

APPLICABLE ENGINEERING CODES AND TOC ENGINEERING STANDARDS & PROCEDURES

	Number	Title
1.	TFC-BSM-AD-STD-02,	Editorial Standards for Technical Documents
2.	TFC-ENG-DESIGN-C-25	Technical Document Control

7.0 ESH&Q Requirements

7.1 Quality Assurance Requirements:

This work scope does not include safety significant system, structure, or component deliverables; and the scope does not include any deliverable that will become design input to a safety significant system, structure, or component.

This scope of work is to provide technical expertise to examine hazardous chemical vapors management and related worker protection measures at the U.S. Department of Energy's Tank Farms.

The program applied to this scope of work shall be equivalent to the following requirements from the American Society of Mechanical Engineers, NQA-1-2008 *Quality Assurance Requirements for Nuclear Facility Applications*, including NQA-1a-2009 Addenda, or later version. Those quality program requirements that are identified as being applicable to this scope of work are listed below.

NQA-1 Criteria	Title	All Sections	Specific Sections
Part I, Req. 1	Organization		100 & 300
Part I, Req. 2	Quality Assurance Program		100, 200, 300 (First paragraph only)
Part I, Req. 3	Design Control		N/A
Part I, Req. 4	Procurement Document Control		N/A
Part I, Req. 5	Instructions, Procedures, and Drawings	X	
Part I, Req. 6	Document Control	X	
Part I, Req. 7	Control of Purchased Items and Services		N/A
Part I, Req. 8	Identification and Control of Items		N/A
Part I, Req. 9	Control of Processes		N/A
Part I, Req. 10	Inspection		N/A
Part I, Req. 11	Test Control		N/A
Part I, Req. 12	Control of Measuring and Test Equipment		N/A
Part I, Req. 13	Handling, Storage, and Shipping		N/A
Part I, Req. 14	Inspection, Test, and Operating Status		N/A
Part I, Req. 15	Control of Nonconforming Items		N/A
Part I, Req. 16	Corrective Action	X	
Part I, Req. 17	Quality Assurance Records		100, 200, 300, 800
Part I, Req. 18	Audits	X	

7.2.1 Supplier Quality Assurance Program:

The Contractor's Quality Assurance Program shall be subject to review at all times, including prior to award.

7.2.2 Supplier Quality Assurance Program Changes

The Contractor shall, during the performance of this subcontract, submit proposed changes to their approved quality assurance program to the WRPS Buyer for review and concurrence prior to implementation.

7.2.3 Applicable ES&H Requirements:

No On Site Work Provisions apply.

8.0 Verification/Hold Points:

There are no specific Verification/Hold Points associated with this scope of work. A review of the draft report for factual accuracy is expected.

9.0 Reserved

10.0 Work Location/Potential Access Requirements:

Work locations will include 2440 and 2425 Stevens, Richland, WA or closely associated facilities. WRPS will provide the Affiliate with office space with Hanford Local Area Network (HLAN) computer and telephone in the Richland office facilities when they are on-site.

11.0 Training:

Review team members will be considered as visitor badged personnel.

All subcontractor staff supporting this task shall complete the following training as needed for site and facility access:

- Hanford General Employee Training (HGET) Hanford Site Standard
- Tank Operations Contractor Specific HGET
- Tank Farms Environmental Management System (EMS) Overview
- Tank Farm Facility Orientation and FEHIC – CBT

Specific training or facility information will be provided on a case by case basis depending on the selected locations and access requirements. Overview information on the WRPS Assessment Process requirements will be provided at an initial assessment team meeting.

12.0 Qualifications:

Contractor personnel provided under this subcontract shall possess the qualifications, certifications, and any other attributes required to complete the assigned work with emphasis of expertise in their associated field.

13.0 Special Requirements:

There are no special requirements associated with this scope of work.

Hanford Site Access

Hanford site access will be required for this work.

14.0 Reporting/Administration:

Subcontractor information including reports, presentations, and other documents shall be submitted in either hard copy or electronic format as designated by WRPS. If electronic formatted documents are required, the documents must be viewable using Microsoft® Windows®, Microsoft® Office, or Adobe® Acrobat® software.

15.0 Workplace Substance Abuse Program Requirements:

A Workplace Substance Abuse Program is not required for this SOW.

16.0 WRPS Point of Contact (POC)

Bob Wilkinson, (WRPS), 509-373-9841; Robert_F_Wilkinson@erl.gov